

Full-Length

## SOX5 (Human) Recombinant Protein (P02)

Catalog # H00006660-P02

Size 50 ug

### Specification

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Human SOX5 full-length ORF (BAB85048.1, 1 a.a. - 763 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Sequence</b>                      | MLTDPDLPQEFERMSSSKRPASPYGEADGEVAMVTSRQKVVEEESDGLPAFHLPLHVSFPNKP<br>SEEFQPVSLLTQETCGHRTPTSQHNTMEVDGNKVMSSFAPHNSSTSPQKAEEGGRQSGESLSS<br>TALGTPERRKGSLADVVDTLKQRKMEELIKNEPEETPSIEKLLSKDWKDKLLAMGSGNFGEIKGT<br>PESLAEKERQLMGMINQLTSLREQLLAHDEQKKLAASQIEKQRQQMELAKQQQEIQARQQQQL<br>LQQQHKINLLQQQIQVQGQLPPLMIPVFPPDQRTLAAAAQQGFLLPPGFSYKAGCSDPYPVQLIPT<br>TMAAAAAATPGLGPLQLQQLYAAQLAAMQVSPGGKLPGIPQGNLGAASVPTSHTDKSTNSPPPK<br>SKDEVAQPLNLSAKPKTSDGKSPTSPTSPHMPALRINSGAGPLKASVPAALASPSARVSTIGYLN<br>DHDAVTKAIQEARQMKEQLRREQQVLDGKVAVVNSLGLNNCRTEKEKTTLES LTQQLAVKQSEE<br>GKFHAMMDFNLSGSDSDGSAGVSESRIYRGSRGSGSNEPHIKRPMNAFMVWAKDERRKILQAF<br>PDMHNSNISKILGSRWKAMTNLEKQPYEEQARLSKQHLEKYPDYKYKPRPKRTCLVDGKKLRIG<br>EYKAIMRNRQEMRQYFNVGQQAQIPIATAGVVYPGAIAMAGMPSPHLPSEHSSVSSSPEPGMPV<br>IQSTYGVKGEEPHIKEEIQAEEDINGEYDEYDEEEDDPDVDYGS DSENHIAGQAN |
| <b>Host</b>                          | Wheat Germ (in vitro)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Theoretical MW (kDa)</b>          | 110.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Interspecies Antigen Sequence</b> | Mouse (97); Rat (96)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Preparation Method</b>            | <a href="#">in vitro wheat germ expression system</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Purification</b>                  | Glutathione Sepharose 4 Fast Flow                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Storage Buffer</b>                | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Storage Instruction</b>           | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Note</b>                          | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

### Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — SOX5

Entrez GeneID [6660](#)

GeneBank Accession# [AK074317.1](#)

Protein Accession# [BAB85048.1](#)

Gene Name SOX5

Gene Alias L-SOX5, MGC35153

Gene Description SRY (sex determining region Y)-box 5

Omim ID [604975](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene encodes a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and in the determination of the cell fate. The encoded protein may act as a transcriptional regulator after forming a protein complex with other proteins. The encoded protein may play a role in chondrogenesis. A pseudogene of this gene is located on chromosome 8. Multiple transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq]

Other Designations -

## Disease

- [Acquired Immunodeficiency Syndrome](#)
- [Atrial Fibrillation](#)
- [Cleft Lip](#)
- [Cleft Palate](#)

- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [HIV Seropositivity](#)
- [Tobacco Use Disorder](#)