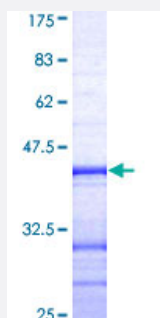


# TBX5 (Human) Recombinant Protein (Q01)

Catalog # H00006910-Q01

Size 25 ug, 10 ug

## Applications



## Specification

|                                |                                                                                                                             |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Human TBX5 partial ORF ( AAH27942, 402 a.a. - 518 a.a.) recombinant protein with GST-tag at N-terminal.                     |
| <b>Sequence</b>                | PSMPSYSSCTVTTVQPM DRLPYQH FSAHFTSGPLVPRLAGMANHGSPQLGEGMFQHQTSVAHQ<br>PVVRQCGPQTGLQSPGTLQPPEFLYSHGVPRTLSPHQYHSVHGVGMVPEWSDNS |
| <b>Host</b>                    | Wheat Germ (in vitro)                                                                                                       |
| <b>Theoretical MW (kDa)</b>    | 38.61                                                                                                                       |
| <b>Preparation Method</b>      | <a href="#">in vitro wheat germ expression system</a>                                                                       |
| <b>Purification</b>            | Glutathione Sepharose 4 Fast Flow                                                                                           |
| <b>Quality Control Testing</b> | 12.5% SDS-PAGE Stained with Coomassie Blue.                                                                                 |
| <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 — TBX5

Entrez GeneID [6910](#)

GeneBank Accession# [BC027942](#)

Protein Accession# [AAH27942](#)

Gene Name TBX5

Gene Alias HOS

Gene Description T-box 5

Omim ID [142900 601620](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene is a member of a phylogenetically conserved family of genes that share a common DNA-binding domain, the T-box. T-box genes encode transcription factors involved in the regulation of developmental processes. This gene is closely linked to related family member T-box 3 (ulnar mammary syndrome) on human chromosome 12. The encoded protein may play a role in heart development and specification of limb identity. Mutations in this gene have been associated with Holt-Oram syndrome, a developmental disorder affecting the heart and upper limbs. Several transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq]

**Other Designations** T-box transcription factor TBX5

## Disease

- [Abnormalities](#)
- [Arrhythmias](#)
- [Atrial Fibrillation](#)

- [Atrioventricular Block](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Ductus Arteriosus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hand Deformities](#)
- [Heart Defects](#)
- [Heart Septal Defects](#)
- [Hypertension](#)
- [Infant](#)
- [Narcolepsy](#)
- [Sick Sinus Syndrome](#)
- [Syndrome](#)
- [Tobacco Use Disorder](#)
- [Upper Extremity Deformities](#)