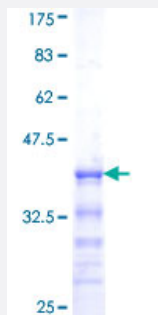


SOX10 (Human) Recombinant Protein (Q01)

Catalog # H00006663-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SOX10 partial ORF (NP_008872, 336 a.a. - 433 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	KPPGVALPTVSPPGVDAKAQVKETETAGPQGPPHYTDQPSTSQIAYTSLSLPHYGSAFPSISRPQF DYSDHQPSGPYYGHSGQASGLYSAFSYMGPSQR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.52
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	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 — SOX10

Entrez GeneID [6663](#)

GeneBank Accession# [NM_006941](#)

Protein Accession# [NP_008872](#)

Gene Name SOX10

Gene Alias DOM, MGC15649, WS2E, WS4

Gene Description SRY (sex determining region Y)-box 10

Omim ID [277580](#) [601706](#) [602229](#) [609136](#)

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 activator after forming a protein complex with other proteins. This protein acts as a nucleocytoplasmic shuttle protein and is important for neural crest and peripheral nervous system development. Mutations in this gene are associated with Waardenburg-Shah and Waardenburg-Hirschsprung disease. [provided by RefSeq]

Other Designations OTTHUMP00000028515|OTTHUMP00000195094|SRY-related HMG-box gene 10|dominant megacolon, mouse, human homolog of

Disease

- [Genetic Predisposition to Disease](#)
- [Hirschsprung Disease](#)
- [Kidney Failure](#)

- [Malignant melanoma](#)
- [Melanoma](#)
- [Neoplasm Metastasis](#)
- [Schizophrenia](#)
- [Skin Neoplasms](#)