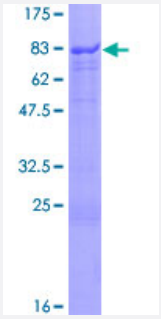
Full-Length

SOX10 (Human) Recombinant Protein (P01)

Catalog # H00006663-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SOX10 full-length ORF (NP_008872.1, 1 a.a. - 466 a.a.) recombinant protein with GST-tag a t N-terminal.
Sequence	MAEEQDLSEVELSPVGSEEPRCLSPGSAPSLGPDGGGGGSGLRASPGPGELGKVKKEQQDGE ADDDKFPVCIREAVSQVLSGYDWTLVPMPVRVNGASKSKPHVKRPMNAFMVWAQAARRKLAD QYPHLHNAELSKTLGKLWRLLNESDKRPFIEEAERLRMQHKKDHPDYKYQPRRRKNGKAAQGEA ECPGGEAEQGGTAAIQAHYKSAHLDHRHPGEGSPMSDGNPEHPSGQSHGPPTPPTTPKTELQS GKADPKRDGRSMGEGGKPHIDFGNVDIGEISHEVMSNMETFDVAELDQYLPPNGHPGHVSSYSA AGYGLGSALAVASGHSAWISKPPGVALPTVSPPGVDAKAQVKTETAGPQGPPHYTDQPSTSQIA YTSLSLPHYGSAFPSISRPQFDYSDHQPSGPYYGHSGQASGLYSAFSYMGPSQRPLYTAISDPSP SGPQSHSPTHWEQPVYTTLSRP
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	76.3
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_006941.3
Protein Accession#	NP_008872.1
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