

Recombinant Full Length Human SOX10 Protein, GST-tagged

Cat. No. SOX10-1001HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human SOX10 full-length ORF (NP_008872.1, 1 a.a. - 466 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	466 amino acids
Description	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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	76.3 kDa
AA Sequence	MAEEQDLSEV ELSPVGSEEP RCLSPGSAPS LGPDGGGGGS GLRASPGPGE LGKVKKEQQD GEADDDKFPV CIREAVSQVL SGYDWTLVPM PVRVNGASKS KPHVKRPMNA FMVWAQAARR KLADQYPHLH NAELSKTLGK LWRLLNESDK RPFIEEAERL RMQHKKDHPD YKYQPRRRKN GKAAQGEAEC PGGEAEQGGT

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AAIQAHYKSA HLDHRHPGEG SPMSDGNPEH PSGQSHGPPT PPTTPKTELQ
SGKADPKRDG RSMGEGGKPH IDFGNVDIGE ISHEVMSNME TFDVAELDQY
LPPNGHPGHV SSYSAAGYGL GSALAVASGH SAWISKPPGV ALPTVSPPGV
DAKAQVKTET AGPQGPPHYT DQPSTSQIAY TSLSLPHYGS AFPSISRPFQ
DYS DHQPSGP YYGHSGQASG LYSAFSYMGP SQRPLYTAIS DPSPSGPQSH
SPTHWEQPVY TTLSRP

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name SOX10 SRY-box 10 [Homo sapiens (human)]

Official Symbol SOX10

Synonyms DOM,MGC15649,WS2E,WS4

Gene ID 6663

mRNA Refseq NM_006941.3

Protein Refseq NP_008872.1

MIM 277580

UniProt ID P56693

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