Recombinant Human SOX10 Protein, Tag Free

Cat. No. SOX10-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SOX10 protein without tag was expressed in E. coli
Species	Human
Source	E.coli
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.
Molecular Mass	The protein has a calculated MW of 50 kDa.
AA Sequence	MAEEQDLSEVELSPVGSEEPRCLSPGSAPSLGPDGGGGGSGLRASPGPGELGKVK KEQQDGEADDDKFPVCIREAVSQVLSGYDWTLVPMPVRVNGASKSKPHVKRPMNA FMVWAQAARRKLADQYPHLHNAELSKTLGKLWRLLNESDKRPFIEEAERLRMQHKK DHPDYKYQPRRRKNGKAAQGEAECPGGEAEQGGTAAIQAHYKSAHLDHRHPGEG SPMSDGNPEHPSGQSHGPPTPPTTPKTELQSGKADPKRDGRSMGEGGKPHIDFG NVDIGEISHEVMSNMETFDVAELDQYLPPNGHPGHVSSYSAAGYGLGSALAVASGH SAWISKPPGVALPTVSPPGVDAKAQVKTETAGPQGPPHYTDQPSTSQIAYTSLSLPH YGSAFPSISRPQFDYSDHQPSGPYYGHSGQASGLYSAFSYMGPSQRPLYTAISDPS

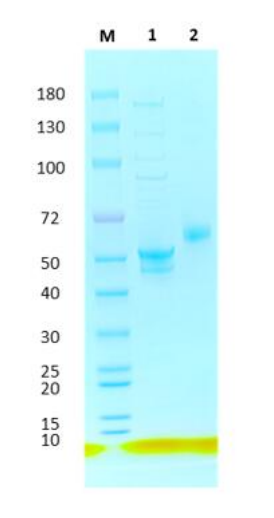
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	PSGPQSHSPTHWEQPVYTTLSRP
Purity	>80% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Concentration	1.29 mg/mL
Storage Buffer	PBS, pH7.4, 10% glycerol

GENE INFORMATION

Gene Name	SOX10 SRY (sex determining region Y)-box 10 [Homo sapiens (human)]
Official Symbol	SOX10
Synonyms	SOX10; SRY (sex determining region Y)-box 10; transcription factor SOX-10; DOM; dominant megacolon; mouse; human homolog of; WS2E; WS4; SRY-related HMG-box gene 10; dominant megacolon, mouse, human homolog of; PCWH; WS4C; MGC15649;
Gene ID	6663
mRNA Refseq	NM_006941
Protein Refseq	NP_008872
MIM	602229
UniProt ID	P56693

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SDS-PAGE:	 Reducing 12% SDS-PAGE analysis profile of purified SOX10 1. SOX10 2. BSA

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