Recombinant Human SOX10

Cat. No. SOX10-29273TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human SOX10 with N terminal proprietary tag, 36.41kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	98 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.
Molecular Weight	36.410kDa inclusive of tags
Tissue specificity	Expressed in fetal brain and in adult brain, heart, small intestine and colon.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	KPPGVALPTVSPPGVDAKAQVKTETAGPQGPPHYTDQPSTSQIAYTSLSLPHYGSA FPSISRPQFDYSDHQPSGPYYGHSGQASGLYSAFSYMGPSQR
Sequence Similarities	Contains 1 HMG box DNA-binding domain.

GENE INFORMATION

Gene Name	SOX10 SRY (sex determining region Y)-box 10 [Homo sapiens]
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;
Gene ID	6663
mRNA Refseq	NM_006941
Protein Refseq	NP_008872
MIM	602229
Uniprot ID	P56693
Chromosome Location	22q13.1

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Function	DNA binding; chromatin binding; identical protein binding; protein binding; sequence-specific DNA binding transcription factor activity;

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