

Recombinant Human SOX10 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SOX10-2697H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SOX10 MS Standard C13 and N15-labeled recombinant protein (NP_008872) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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	49.9 kDa
AA Sequence	MAEEQDLSEVELSPVGSEEPRLCLSPGSAPSLGPDGGGGGSGLRASPGPGELGKVK KEQQDGEADDDKFPVCIREAVSQVLSGYDWTLVPMPVRVNGASKSKPHVKRPMNA FMVWAQAARRKLADQYPHLHNAELSKTLGKLWRLLNESDKRPFIEEAERLRMQHKK DHPDYKYQPRRRKNGKAAQGEAECPGGEAEQGGTAAIAHYKSAHLDRHPGEG SPMSDGNPEHPSPGQSHGPPTPPTTPKTELQSGKADPKRDGRSMGEGGKPHIDFG NVDIGEISHEVMSNMETFDVAELDQYLPPNGHPGHVSSYSAAGYGLGSALAVASGH

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SAWISKPPGVALPTVSPPGVDAKAQVKETAGPQGPPHYTDQPSTSQIAYTSLSLPH
YGSAPFSISRPQFDYSDHQPSGPYYGHSGQASGLYSAFSYMGPSQRPLYTAISDPS
PSGPQSHSPTHWEQPVYTTLRPTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name SOX10 SRY-box transcription factor 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

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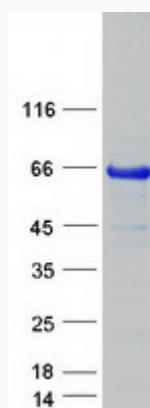
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MIM 602229

UniProt ID P56693

SDS-PAGE



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