Recombinant Human SOX10 protein, MYC/DDK-tagged

Cat. No. SOX10-1565H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SOX10, fussed with MYC/DDK tag at C-terminal, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes an integral membrane protein that is required for cytokine-induced regulation of the tight junction paracellular permeability barrier. Mutations in this gene are thought to be a cause of band-like calcification with simplified gyration and polymicrogyria (BLC-PMG), an autosomal recessive neurologic disorder that is also known as pseudo-TORCH syndrome. Alternative splicing results in multiple transcript variants. A related pseudogene is present 1.5 Mb downstream on the q arm of chromosome 5.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	49.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Notes	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Concentration	>50 ug/mL as determined by microplate BCA method

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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; 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
Chromosome Location	22q13.1
Function	DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding; RNA polymerase II distal enhancer sequence-specific DNA binding; chromatin binding; identical protein binding; protein binding; transcription coactivator activity; transcription regulatory region DNA binding;

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