

# 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  
KEQQDGEADDDKFPVCIREAVSQVLSGYDWTLPMPVRVNGASKSKPHVKRPMNA  
FMVWAQAARRKLADQYPHLHNAELSKTLGKLWRLLESKDRPFIEEAERLRMQHKK  
DHPDYKYQPRRRKNGKAAQGEAECPGGEAEQGGTAAIQAHYKSAHLDRHPGEG  
SPMSDGNPEHPSGQSHGPPTPTTPKTELQSGKADPKRDGRSMGEGGKPHIDFG  
NVDIGEISHEVMSNMETFDVAELDQYLPPNGHPGHVSSYSAAGYGLGSALAVASGH

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SAWISKPPGVALPTVSPPGVDAKAQVKTETAGPQGPPHYTDQPSTSQIAYTSLSLPH  
 YGSAFPISISRPQFDYSDHQPSGPHYGHSGQASGLYSAFSYMGPSQRPLYTAISDPS  
 PSGPQSHSPHWEQPVYTTLSRPTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MIM 602229

UniProt ID P56693

SDS-PAGE



Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA