

Recombinant Human SOX8 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SOX8-1743H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SOX8 MS Standard C13 and N15-labeled recombinant protein (NP_055402) 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 may be involved in brain development and function. Haploinsufficiency for this protein may contribute to the cognitive disability found in an alpha-thalassemia-related syndrome (ART-16). This protein is also highly expressed in the majority of human hepatocellular carcinomas and promotes cellular proliferation and enhanced tumor growth.
Molecular Mass	47.3 kDa
AA Sequence	MLDMSEARSQPPCSPSGTASSMSHVEDSDSDAPPSPAGSEGLGRAGVAVGGARG DPAEAADERFPACIRDAVSQVLKGYDWSLVPMPVRGGGGGALKAKPHVKRPMNAF MVWAQAARRKLADQYPHLHNAELSKTLGKLWRLLESEKRPFVEEAERLRVQHKK DHPDYKYQPRRRKSAKAGHSDSDSGAELGPHPGGGAVYKAEAGLGDGHHHG DHT

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GQTHGPPTPPTTPKTELQQAGAKPELKLEGRRPVDSGRQNIDFSNVDISELSSEVM
 GTMDAFDVHEFDQYLPLGGPAPPEPGQAYGGAYFHAGASPVWAHKSAPSASASPT
 ETGPPRPHIKTEQPSPGHYGDQPRGSPDYGSCSGQSSATPAAPAGPFAGSQGDY
 GDLQASSYYGAYPGYAPGLYQYPCFHSPRRPYASPLLNGLALPPAHSPTSHWDQP
 VYTTLTRPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 SOX8 SRY-box transcription factor 8 [Homo sapiens (human)]

Official Symbol SOX8

Synonyms SOX8; SRY (sex determining region Y)-box 8; transcription factor SOX-8; MGC24837;

Gene ID 30812

mRNA Refseq NM_014587

Protein Refseq NP_055402

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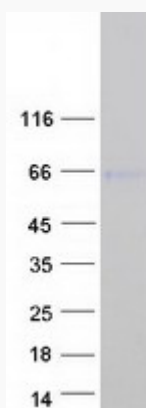
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MIM 605923

UniProt ID P57073

SDS-PAGE



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