

Recombinant Human SOX6 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SOX6-5078H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SOX6 MS Standard C13 and N15-labeled recombinant protein (NP_059978) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the D subfamily of sex determining region y-related transcription factors that are characterized by a conserved DNA-binding domain termed the high mobility group box and by their ability to bind the minor groove of DNA. The encoded protein is a transcriptional activator that is required for normal development of the central nervous system, chondrogenesis and maintenance of cardiac and skeletal muscle cells. The encoded protein interacts with other family members to cooperatively activate gene expression. Alternative splicing results in multiple transcript variants.
Molecular Mass	89.2 kDa
AA Sequence	MGRMSSKQATSPFACAADGEDAMTQDLTSREKEEGSDQHVASHLPLHPIMHNKPH SEELPTLVSTIQDADWDSVLSSQQRMESENNKLCSLYSFRNTSTSPHKPDEGSRD REIMTSVTFGTPEERRKGLADVVDTLKQKKLEEMTRTEQEDSSCMEKLLSKDWKEK MERLNTSELLGEIKGTPESLAEKERQLSTMITQLISLREQLLAAHDEQKKLAASQIEKQ RQQMDLARQQQEIQARQQQQLLQQQHKNLLQQQIQVQGHMPPLMIPIPHDQRTL

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AAAAAAQQGFLFPPGITYKPGDNYPVQFIPSTMAAAAASGLSPLQLQQLYAAQLASM
 QVSPGAKMPSTPQPPNTAGTVSPTGIKNEKRGTSPTQVKDEAAQPLNLSSRPKT
 AEPVKSPTSPTQNLFPASKTSPVNLPNKSSIPSPIGGSLGRGSSLGKWKWSQHQEETY
 ELDILSSLNSPALFGDQDTVMKAIQEARKMREQIQREQQQQPHGVDGKLSSINNM
 GLNSCRNEKERTRFENLGPQLTGKSNEDGKLGPVIDLTRPEDAEGSKAMNGSAA
 KLQQYYCWPTGGATVAEARVYRDARGRASSEPHIKRPMNAFMVWAKDERRKILQA
 FPDMHNSNISKILGSRWKSMSNQEKPYYEEQARLSKIHLEKYPNYKYKPRPKRTCI
 VDGKKLRIGEYKQLMRSRRQEMRQFFTGVGQQPQIPITTGTGVVYPGAIMATTTTPSP
 QMTSDCSSTSASPEPSLPVIQSTYGMKTDGGSLAGNEMINGEDEMEMYDDYEDDP
 KSDYSSENEAPEAVSANTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 SOX6 SRY-box transcription factor 6 [Homo sapiens (human)]

Official Symbol SOX6

Synonyms SOX6; SRY-box transcription factor 6; transcription factor SOX-6; SRY-box containing gene 6; SOXD; HSSOX6;

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Gene ID	55553
mRNA Refseq	NM_017508
Protein Refseq	NP_059978
MIM	607257
UniProt ID	P35712
SDS-PAGE	