

## Product datasheet for **TP311525**

### SOX6 (NM\_017508) Human Recombinant Protein

#### Product data:

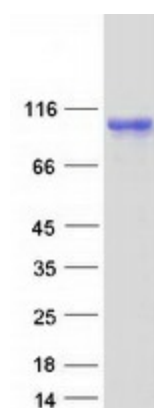
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human SRY (sex determining region Y)-box 6 (SOX6), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC211525 representing NM_017508
Clone or AA	Red=Cloning site Green=Tags(s)
Sequence:	<p>MGRMSSKQATSPFACAADGEDAMTQDLTSREKEEGSDQHVASHLPLHPIMHNKPHSEELPTLVSTIQQDA  DWDSVLSSQQRMESENNKLCSLYSFRNTSTSPHKPDEGSRDREIMTSVTFGTPERRKGSLADVDTLKQK  KLEEMTRTEQEDSSCMEKLLSKDWKEKMERLNTSELLGEIKGTPESLAEKERQLSTMITQLISLREQLLA  AHDEQKKLAASQIEKQRQQMDLARQQQEIQARQQQQLLQQQHKNLLQQQIQVQGHMPPLMIPIPHDQR  TLAAAAAAQQGFLFPPGITYKPGDNYPVQFIPSTMAAAAASGLSPLQLQQLYAAQLASMQVSPGAKMPST  PQPPNTAGTVSPTGIKNEKRGTSPTQVKDEAAAQPLNLSSRPKTAEPVKSPTSPTQNLFPASKTSPVNL  PNKSSIPSPIGGSLGRGSSLGKWKSQLHQEETYELDILSSLNSPALFGDQDVTVMKAIQEARQMREQIQREQ  QQQQPHGVDGKLSSINNMGLNSCRNEKERTFENLGPQLTGKSNEDGKLGPVIDLTRPEDAEGSKAMNG  SAAKLQYYCWPTGGATVAEARVYRDARGRASSEPHIKRPMNAFMVWAKDERRKILQAFPMHNSNISKI  LGSRWKSMNSQEKQPYEEQARLSKIHLEKYPNYKYKPRPKRTCIVDGKKLRIGEYKQLMRSRRQEMRQF  FTVGQQPQIPITTGTGVVYPGAIMATTTSPQMSTDCSSTSASPEPSLPVIQSTYGMKTDGGSLAGNEM  INGEDEMEMYDDYEDDPKSDYSSENEAPEAVSAN</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	89.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_059978</a>
<b>Locus ID:</b>	55553
<b>UniProt ID:</b>	<a href="#">P35712</a>
<b>RefSeq Size:</b>	5158
<b>Cytogenetics:</b>	11p15.2
<b>RefSeq ORF:</b>	2412
<b>Synonyms:</b>	HSSOX6; SOXD; TOLCAS
<b>Summary:</b>	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.[provided by RefSeq, Mar 2009]
<b>Protein Families:</b>	Transcription Factors

### Product images:



Coomassie blue staining of purified SOX6 protein (Cat# TP311525). The protein was produced from HEK293T cells transfected with SOX6 cDNA clone (Cat# [RC211525]) using MegaTran 2.0 (Cat# [TT210002]).