

Product datasheet for **TP309139L**

SOX4 (NM_003107) Human Recombinant Protein

Product data:

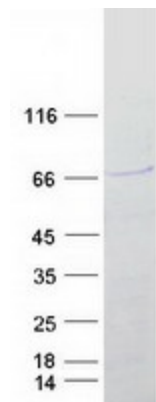
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human SRY (sex determining region Y)-box 4 (SOX4), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209139 protein sequence Red =Cloning site Green =Tags(s)
	<p>MVQQTNNNAENTEALLAGESSDSGAGLELGIASSPTPGSTASTGGKADDPWCKTPSGHIKRPMNAMVW S QIERRKIMEQSPDMHNAEISKRLGKRWKLKDSKIPFIREAERLRLKHMADYPDYKYRPRKKVKSGNAN SSSSAAASSKPGEKGDVGGSGGGGHGGGGGGSSNAGGGGGGASGGGANSKPAQKSCGSKVAGGA GGG VSKPHAKLILAGGGGGGKAAAAAASFAAEQAGAAALLPLGAAADHHSLYKARTPSASASASSAASASAA LAAPGKHLAEKKVKRVYLFGLGTSSSPVGGVGAGADPSDPLGLYEEEGAGCSPDAPSLSGRSSAASSPA AGRSPADHRGYASLRAASPAPSSAPSHASSASSHSSSSSSSGSSSSDDEFEDDLLNPNSSNFESMSLG SFSSSSALDRDLDFNFEFGSGSHFEFPDYCTPEVSEMISGDWLESSISNLVFTY</p> <p>SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	47.1 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
Bioactivity:	EMSA assay (PMID: 25761772)
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_003098
Locus ID:	6659
UniProt ID:	Q06945
RefSeq Size:	4912
Cytogenetics:	6p22.3
RefSeq ORF:	1422
Synonyms:	CSS10; EVI16
Summary:	This intronless 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 regulator after forming a protein complex with other proteins, such as syndecan binding protein (syntenin). The protein may function in the apoptosis pathway leading to cell death as well as to tumorigenesis and may mediate downstream effects of parathyroid hormone (PTH) and PTH-related protein (PTHrP) in bone development. The solution structure has been resolved for the HMG-box of a similar mouse protein. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Stem cell relevant signaling - TGFb/BMP signaling pathway, Transcription Factors

Product images:



Coomassie blue staining of purified SOX4 protein (Cat# [TP309139]). The protein was produced from HEK293T cells transfected with SOX4 cDNA clone (Cat# [RC209139]) using MegaTran 2.0 (Cat# [TT210002]).