

## Product datasheet for TP309139

### SOX4 (NM\_003107) Human Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human SRY (sex determining region Y)-box 4 (SOX4), 20 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC209139 protein sequence Red=Cloning site Green=Tags(s)
	MVQQTNNAENTEALLAGESSDSGAGLELGIASSPTPGSTASTGGKADDPWCKTPSGHIKRPMNAFMWWS QIERRKIMEQSPDMHNAEISKRLGKRWKLKDSKIPFIREAERLRKHMADYPDYKYRPRKKVKSGNAN SSSSAAASSKPGEKGDVGGSSGGGGHGGGGGGSSNAGGGGGGASGGGANSKPAQKSCGSKVAGGAGGG VSKPHAKLILAGGGGGGKAAAAAASFAAEQAGAAALLPLGAAADHHSLYKARTPSASASASSAASASAA LAAPGKHLAEKKVCRVYLFGLGTSSSPVGGVAGADPSDPLGLYEEEGAGCSPDAPSLSSGRSSAASSPA AGRSPADHRGYASLRAASPAPSSAPSHASSASSHSSSSSSSGSSSSDDEFEDDLLNPNSSNFESMSLG SFSSSSALDRDLDFNFEPGSGSHFEPDYCTPEVSEMISGDWLESSISNLVFTY
	SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	47.1 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Bioactivity:</b>	EMSA assay (PMID: <a href="https://pubmed.ncbi.nlm.nih.gov/25761772/">25761772</a> )
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<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.



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RefSeq: [NP\\_003098](#)

Locus ID: 6659

UniProt ID: [Q06945](#)

RefSeq Size: 4912

Cytogenetics: 6p22.3

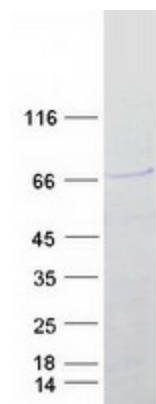
RefSeq ORF: 1422

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]).