

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 >RC209139 protein sequence

Clone or AA Red=Cloning site Green=Tags(s)

Sequence:

MVQQTNNAENTEALLAGESSDSGAGLELGIASSPTPGSTASTGGKADDPWCKTPSGHIKRPMNAMFMVWS
QIERRKIMEQSPDMHNAEISKRLGKRWKLKDSKIPFIREAERLRKHMADYDPYKYRPRKKVKSGNAN
SSSSAAASSKPGEKGDVGGSGGGGGHGGGGGGSSNAGGGGGGASGGGANSKPAQKSCGSKVAGGAGGG
VSKPHAKLILAGGGGGGKAAAAAASFAAEQAGAAALLPLGAAADHHSLYKARTPSASASASSAASASAA
LAAPGKHLAEKKVCRVYLFGLGTSSSPVGGVAGADPSDPLGLYEEEGAGCSPDAPSLSSGRSSAASSPA
AGRSPADHRGYASLRAASPAPSSAPSHASSASSHSSSSSSSGSSSSDDEFEDDLLNPNSSNFESMSLG
SFSSSSALDRDLDFNFEPGSGSHFEFPDYCTPEVSEMISGDWLESSISNLVFTY

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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](https://pubmed.ncbi.nlm.nih.gov/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.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



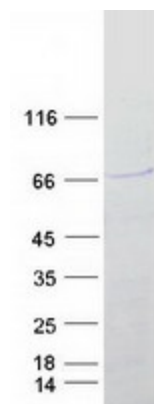
[View online »](#)

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]).