

Product datasheet for TP505890

Sox18 (NM_009236) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse SRY (sex determining region Y)-box 18 (Sox18), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR205890 representing NM_009236 Red=Cloning site Green=Tags(s)

MQRSPPGYGAQDDPPSRRDCAWAPGIGAAAEARGLPVTNVSPTSPASPSSLPSPSPSPESGRYGFGRGE
RQTADLRIRRPMMNAFMVWAKDERKRLAQNPDLHNAVLSKMLGKAWKELNTAEKRPFVEEAERLRVQHL
RDHPNYKYRPRRKKQARKVRRLEPGLLLPGLVQPSAPPEAFAAASGSARSFRELPTLGAEFDGLGLPTPE
RSPLDGLPEGEASFFPPPLAPEDCALRAFRAPYAPELARDPSFCYGAPLAEALRTAPPAAPLAGLYGT
GTPGPFNPPLSPPPEPSLEGTEQLEPTADLWADVDLTEFDQYLNCSTRPDATTLPHYVALAKLGPRAM
SCPEESSLISALSDASSAVVYSACISG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	41.3 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
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 after receiving vials.
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_033262
Locus ID:	20672
UniProt ID:	P43680



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RefSeq Size: 1619

Cytogenetics: 2 103.71 cM

RefSeq ORF: 1131

Synonyms: AI385749; Ra; Ragl

Summary: Transcriptional activator that binds to the consensus sequence 5'-AACAAAG-3' in the promoter of target genes and plays an essential role in embryonic cardiovascular development and lymphangiogenesis (PubMed:7651823, PubMed:10742113, PubMed:12748961, PubMed:18931657, PubMed:19429912, PubMed:26939885). Activates transcription of PROX1 and other genes coding for lymphatic endothelial markers (PubMed:18931657, PubMed:26939885). Plays an essential role in triggering the differentiation of lymph vessels, but is not required for the maintenance of differentiated lymphatic endothelial cells (PubMed:18931657). Plays an important role in postnatal angiogenesis, where it is functionally redundant with SOX17 (PubMed:16895970). Interaction with MEF2C enhances transcriptional activation (PubMed:11554755). Besides, required for normal hair development (PubMed:11094083, PubMed:12748961).[UniProtKB/Swiss-Prot Function]