

Datasheet for ABIN7563265
SOX18 Protein (AA 1-377) (His tag)



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Overview

Quantity:	1 mg
Target:	SOX18
Protein Characteristics:	AA 1-377
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SOX18 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Sox18 Protein expressed in mammalian cells.
Sequence:	<p>MQRSPPGYGA QDDPPSRRDC AWAPGIGAAA EARGLPVTNV SPTSPASPSS LRSPPRSPE SGRYGFGRGE RQTADLRIR RPMNAFMVWA KDERKRLAQQ NPD LHNAVLS KMLGKAWKEL NTAEKRPFVE EAERLRVQHL RDHPNYKYRP RRKKQARKVR RLEPGLLLPG LVQPSAPPEA FAAASGSARS FRELPTLGAE FDGLGLPTPE RSPLDGLEPG EASFFPPPLA PEDCALRAFR APYAPELARD PSFCYGAPLA EALRTAPPAA PLAGLYYGTG GTPGPFNPPL SPPPEPSLE GTEQLEPTAD LWADVLDLTFE DQYLNCSRTR PDATTLPHYV ALAKLGPRAM SCPEESSLIS ALSDASSAVY YSACISG Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>

Characteristics:	Key Benefits:
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Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris Page, Western Blot

Grade: custom-made

Target Details

Target: SOX18

Alternative Name: Sox18 ([SOX18 Products](#))

Background: Transcription factor SOX-18,FUNCTION: 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). {ECO:0000269|PubMed:10742113, ECO:0000269|PubMed:11094083, ECO:0000269|PubMed:11554755, ECO:0000269|PubMed:12748961, ECO:0000269|PubMed:16895970, ECO:0000269|PubMed:18931657,

Target Details

ECO:0000269|PubMed:19429912, ECO:0000269|PubMed:26939885,
ECO:0000269|PubMed:7651823}.

Molecular Weight: 40.9 kDa

UniProt: [P43680](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months