

Datasheet for ABIN7557710
SOX17 Protein (AA 1-419) (His tag)



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Overview

Quantity:	1 mg
Target:	SOX17
Protein Characteristics:	AA 1-419
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SOX17 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Sox17 Protein expressed in mammalian cells.
Sequence:	<p>MSSPDAGYAS DDQSQPRSAQ PAVMAGLGPC PWAESLSPLG DVKVKGEVVA SSGAPAGTSG RAKAESRIRR PMNAFMVWAK DERKRLAQQN PDLHNAELSK MLGKSWKALT LAEKRPFVEE AERLRVQHMQ DHPNYKYRPR RRKQVKRMKR VEGGFLHALV EPQAGALGPE GGRVAMDGLG LPFPEPGYPA GPPLMSPHMG PHYRDCQGLG APALDGYPLP TPDTSPLDGV EQDPAFFAAP LPGDCPAAGT YTYAPVSDYA VSVEPPAGPM RVGPDPSGPA MPGILAPPSA LHLYYGAMGS PAASAGRGFH AQPQQPLQPQ APPPPPQQQH PAHGPGQPSP PPEALPCRDG TESNQPTTELL GEVDRTEFEQ YLPFVYKPEM GLPYQGHDCG VNLSDSHGAI SSVVSDASSA VYYCNYPDI</p> <p>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.</p> <p>In case you have a special request, please contact us.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Product Details

Characteristics:

Key Benefits:

- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

SOX17

Alternative Name:

Sox17 ([SOX17 Products](#))

Background:

Transcription factor SOX-17,FUNCTION: Acts as a transcription regulator that binds target promoter DNA and bends the DNA (PubMed:8636240, PubMed:24153254, PubMed:19328208). Binds to the sequences 5'-ACAAT-3' or 5'-ACAAAG-3' (PubMed:8636240). Modulates transcriptional regulation via WNT3A. Inhibits Wnt signaling. Promotes degradation of activated CTNNB1. Plays a key role in the regulation of embryonic development (PubMed:11973269, PubMed:17655922, PubMed:24153254). Required for normal development of the definitive gut endoderm (PubMed:11973269). Required for normal looping of the embryonic heart tube. Plays an important role in embryonic and postnatal vascular development, including development of arteries (PubMed:24153254). Plays an important role in postnatal angiogenesis, where it is functionally redundant with SOX18 (PubMed:16895970). Required for the generation and maintenance of fetal hematopoietic stem cells, and for fetal hematopoiesis (PubMed:17655922). Probable transcriptional activator in the premeiotic germ cells. {ECO:0000269|PubMed:11973269, ECO:0000269|PubMed:16895970,

Target Details

ECO:0000269|PubMed:17655922, ECO:0000269|PubMed:19328208,
ECO:0000269|PubMed:20802155, ECO:0000269|PubMed:24153254,
ECO:0000269|PubMed:8636240}, FUNCTION: [Isoform 2]: Has no DNA-binding activity, and
does not function as transcriptional activator. {ECO:0000269|PubMed:8636240}.

Molecular Weight: 44.6 kDa

UniProt: [Q61473](#)

Application Details

Application Notes: We expect the protein to work for functional studies. 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