

Datasheet for ABIN7556893
SOX13 Protein (AA 1-613) (His tag)



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Overview

Quantity:	1 mg
Target:	SOX13
Protein Characteristics:	AA 1-613
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SOX13 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Sox13 Protein expressed in mammalian cells.
Sequence:	MSMQSPVSVQ LAPDSASTMV NCTIKSEEKK EPCHEAPQGA APAVETQPGD PALASQDATN AKAPPQDCAS PESSGSPEPK RPAASEAASG SQERLDFNRN LQEVVPAIEK LLSSDWKERF LGRSNVEAKD VKGTQESLAE KELQLLVMIH QLSALRDQLL TAHSEQKNMA AMLFEKQQQQ MELARQQQEQ IAKQQQQLIQ QQHKINLLQQ QIQQVNMPYV MIPAFPPSHQ PLPVT PDSQL ALPIQPIPK PVEYPLQLLH SPPAPVVKRS GVAHHPLQE PPQLNLTA PKVPELPNTS SSPSLKMNSC GPRPASHGAP TRDLQSSPPS LPLGFLGEGD AVTKAIQDAR QLLHSHSGAL ENSPNTPFRK DLISLDSSPA KERLEESCVH PLEEAMLSCD MDGSRHFSES RNSSHKRPM NAFMVWAKDE RRKILQAFPD MHNSSISKIL GSRWKSMTNQ EKQPYEEQA RLSRQHLEKY PDYKYKPRPK RTCVVEGRRL RVGEYKALMR TRRQGARQSY TIPPQAGQAQ VSSDILFPRA AGLPLARPLV EHYDPQGLDP NMPVIINTCS LREEGEGTDD RHSVADGEMY RYSEDEDSEG DEKSDEELVV LTD 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.

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, Western Blot

Grade:

custom-made

Target Details

Target:

SOX13

Alternative Name:

Sox13 ([SOX13 Products](#))

Background:

Transcription factor SOX-13 (SRY (Sex determining region Y)-box 13) (mSox13),FUNCTION: Transcription factor that binds to DNA at the consensus sequence 5'-AACAAAT-3' (PubMed:9524265, PubMed:9421502). Binds to the proximal promoter region of the myelin protein MPZ gene, and may thereby be involved in the differentiation of oligodendroglia in the developing spinal tube (PubMed:26525805). Binds to the gene promoter of MBP and acts as a transcriptional repressor (PubMed:26525805). Binds to and modifies the activity of TCF7/TCF1, thereby inhibiting transcription and modulates normal gamma-delta T-cell development and differentiation of IL17A expressing gamma-delta T-cells (PubMed:17218525, PubMed:23562159, PubMed:30413363). Required for the differentiation of Vgamma2-positive gamma-delta T-cells, a subset of IL17A expressing gamma-delta T-cells (PubMed:23562159). Regulates expression of BLK in the differentiation of IL17A expressing gamma-delta T-cells

Target Details

(PubMed:23562159). Promotes brown adipocyte differentiation (PubMed:27923061). Inhibitor of WNT signaling (By similarity). {ECO:0000250|UniProtKB:Q9UN79, ECO:0000269|PubMed:17218525, ECO:0000269|PubMed:23562159, ECO:0000269|PubMed:26525805, ECO:0000269|PubMed:27923061, ECO:0000269|PubMed:30413363, ECO:0000269|PubMed:9421502, ECO:0000269|PubMed:9524265}.

Molecular Weight: 68.2 kDa

UniProt: [Q04891](#)

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