

Datasheet for ABIN7563214
SOX7 Protein (AA 1-380) (His tag)



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Overview

Quantity:	1 mg
Target:	SOX7
Protein Characteristics:	AA 1-380
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SOX7 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Sox7 Protein expressed in mammalian cells.
Sequence:	MASLLGAYPW TEGLECPALE AELSDGLSPP AVPRPSGDKS SESRIRPMN AFMVWAKDER KRLAVQNPD L HNAELSKMLG KSWKAL TLSQ KRPYVDEAER LRLQHMQDYP NYKYRPRRKK QGKRLCKRVD PGFLLSSLR DQNTLPEKNG IGRGEKEDRG EYSPGATLPG LHSCYREGAA AAPGSVD TYP YGLPTPEMS PLDALEPEQT FFSSSCQEEH GHPHHLPHLP GPPYSPEFTP SPLHCSHPLG SLALGQSPGV SMMSSVSGCP PSPAYYSHAT YHPLHPNLQA HLGQLSPPPE HPGFDTLDQL SQVELLDMD RNEFDQYLNT PGHPDSAAGV GTLTGHVPLS QGTPTGPTET SLISVLADAT ATYYNSYSVS 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.
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.
Characteristics:	Key Benefits:

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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Grade:	custom-made
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Target Details

Target:	SOX7
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Alternative Name:	Sox7 (SOX7 Products)
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Background:	Transcription factor SOX-7 (mSOX7),FUNCTION: Binds to and activates the CDH5 promoter, hence plays a role in the transcriptional regulation of genes expressed in the hemogenic endothelium and blocks further differentiation into blood precursors. May be required for the survival of both hematopoietic and endothelial precursors during specification. May play a role in skeletal myogenesis and up-regulate the expression of muscle markers, such as PAX3/PAX7 and Meox1. Competes with GATA4 for binding and activation of the FGF3 promoter. Represses Wnt/beta-catenin-stimulated transcription. Probably acts by targeting CTNNB1 to proteasomal degradation. Binds the DNA sequence 5'-AACAAAT-3'. {ECO:0000269 PubMed:10320775, ECO:0000269 PubMed:11691915, ECO:0000269 PubMed:15082719, ECO:0000269 PubMed:19489079, ECO:0000269 PubMed:19801444, ECO:0000269 PubMed:22492353}.
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Molecular Weight:	41.5 kDa
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UniProt:	P40646
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Target Details

Pathways: [Positive Regulation of Endopeptidase Activity](#)

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