

Datasheet for ABIN7546112
SOX30 Protein (AA 1-753) (His tag)



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Overview

Quantity:	1 mg
Target:	SOX30
Protein Characteristics:	AA 1-753
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SOX30 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SOX30 Protein expressed in mammalian cells.
Sequence:	<p>MERARPEPPP QPRPLRPAPP PLPVEGTSFW AAAMEPPPSS PTLSAAASAT LASSCGEAVA</p> <p>SGLQPAVRRL LQVKPEQVLL LPQPQAQNEE AAASSAQARL LQFRPDLRLL QPPTASDGAT</p> <p>SRPELHPVQP LALHVKAKKQ KLGPSLDQSV GPRGAVETGP RASRVVKLEG PGPALGYFRG</p> <p>DEKGKLEAEE VMRDSMQGGA GKSPAAIREG VIKTEEPERL LEDCRLGAEP ASNGLVHGSA</p> <p>EVILAPTSQA FGPHQQDLRI PLTLHTVPPG ARIQFQGAPP SELIRLTKVP LTPVPTKMQS</p> <p>LLEPSVKIET KDVPLTVLPS DAGIPDTPFS KDRNGHV KRP MNAFMVWARI HRPALAKANP</p> <p>AANNAEISVQ LGLEWNLSE EQKKPYDEA QKIKEKHREE FPGWVYQPRP GKRKRFLSV</p> <p>SNVFSGTTQN IISTNPTTVY PYRSPTYSVV IPSLQNPITH PVGETSPAQ LTPPAVQSPS</p> <p>PVTLFQPSVS SAAQVAVQDP SLPVYPALPP QRFTGPSQTD THQLHSEATH TVKQPTPVSL</p> <p>ESANRISSA STAHARFATS TIQPPREYSS VSPCPRSAPI PQASPIPHPH VYQPPPLGHP</p> <p>ATLFGTPPRF SFHHPYFLPG PHYFPSSTCP YSRPPFGYGN FPSSMPECLS YYEDRYPKHE</p> <p>GIFSTLNRDY SFRDYSSECT HSENSRSCEN MNGTSYYNH SHSGEENLNP VPQLDIGTLE</p>

Product Details

NVFTAPTSTP SSIQQVNVTD SDEEEEEKVL RDL **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:

- 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: SOX30

Alternative Name: SOX30 ([SOX30 Products](#))

Background: Transcription factor SOX-30,FUNCTION: Acts both as a transcriptional activator and a repressor (PubMed:10359848, PubMed:29739711). Binds to the DNA sequence 5'-ACAAT-3' and shows a preference for guanine residues surrounding this core motif (PubMed:10359848). Binds to its own promoter and activates its own transcription (By similarity). Required to activate the expression of postmeiotic genes involved in spermiogenesis (By similarity). Binds to the promoter region of CTNNB1 and represses its transcription which leads to inhibition of Wnt signaling (PubMed:29739711). Also inhibits Wnt signaling by binding to the CTNNB1 protein,

Target Details

	preventing interaction of CTNNB1 with TCF7L2/TCF4 (PubMed:29739711). {ECO:0000250 UniProtKB:Q8CGW4, ECO:0000269 PubMed:10359848, ECO:0000269 PubMed:29739711}.
Molecular Weight:	81.9 kDa
UniProt:	O94993

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