

Datasheet for ABIN7555562
SOX3 Protein (AA 1-446) (His tag)



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Overview

Quantity:	1 mg
Target:	SOX3
Protein Characteristics:	AA 1-446
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SOX3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat SOX3 Protein expressed in mammalian cells.
Sequence:	MRPVRENSSG ARSPRVPADL ARSILISLPF PPDSLHRPP SSAPTESQGL FTVAAPAPGA PSPPATLAHL LPAPAMYSLL ETELKNPVTG PTQAAGTGGP AAPGGAGKSS ANAAGGANS GGSSGGASGG GGGTDQDRVK RPMNAFMVWS RGQRRKMALE NPKMHNSEIS KRLGADWKLL TDAEKRPFID EAKRLRAVHM KEYPDYKYRP RRKTKTLLKK DKYSLPSGLL PPGAAAAA AAAAAAAASS PVGVGQRLDT YTHVNGWANG AYSLVQEQLG YAQPPSMSSP PPPALPPMH RYDMAGLQYS PMMPPGAQSY MNVAAAAA SGGGMAPSA TAAAAAYGQ QPATAAAAA AAAAMSLGPM GSVVKSEPS PPPAIASHSQ RACGLDLRDM ISMYLPPGGD ADAASPLPG GRLHGVHQHY QGAGTAVNGT VPLTHI 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:

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
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Grade:	custom-made
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Target Details

Target:	SOX3
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Alternative Name:	SOX3 (SOX3 Products)
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Background:	Transcription factor SOX-3,FUNCTION: Transcription factor required during the formation of the hypothalamo-pituitary axis. May function as a switch in neuronal development. Keeps neural cells undifferentiated by counteracting the activity of proneural proteins and suppresses neuronal differentiation. Required also within the pharyngeal epithelia for craniofacial morphogenesis. Controls a genetic switch in male development. Is necessary for initiating male sex determination by directing the development of supporting cell precursors (pre-Sertoli cells) as Sertoli rather than granulosa cells (By similarity). {ECO:0000250, ECO:0000269 PubMed:21183788}.
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Molecular Weight:	45.2 kDa
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UniProt:	P41225
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Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies
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Application Details

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