

Datasheet for ABIN7556892
SOX12 Protein (AA 1-314) (His tag)



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Overview

Quantity:	1 mg
Target:	SOX12
Protein Characteristics:	AA 1-314
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SOX12 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Sox12 Protein expressed in mammalian cells.
Sequence:	MVQQRGARAK RDGGPPPPGP GPAEGAREP GWCKTPSGHI KRPMNAFMVW SQHERRKIMD QWPDMHNAEI SKRLGRRWQL LQDSEKIPFV REAERLRLKH MADYDPDYKYR PRKSKGAPA KARPRPPGGG GGSRLKPGP QLPGRGRRRA SGGPLGGGAA APEDDDEDEE EELLEVRLLLE TPGRELWRMV PAGRAARGPA ERAQGPGSEG AAASAASPTL SEDEEPEEEEE EEAATAEEGE EETVWSGEEP LGFLSRMPPG PAGLDCSALD RPDLLPPSG TSHFEFPDYC TPEVTEMIAG DWRSSSIADL VFTY 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: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- 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:	SOX12
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Alternative Name:	Sox12 (SOX12 Products)
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Background:	Transcription factor SOX-12,FUNCTION: Transcription factor that binds to DNA at the consensus sequence 5'-ACCAAAG-3' (PubMed:18505825, PubMed:18403418, PubMed:30190287). Acts as a transcriptional activator (PubMed:18505825, PubMed:18403418, PubMed:30190287). Binds cooperatively with POU3F2/BRN2 or POU3F1/OCT6 to gene promoters, which enhances transcriptional activation (PubMed:18505825, PubMed:18403418). Involved in the differentiation of naive CD4-positive T-cells into peripherally induced regulatory T (pT reg) cells under inflammatory conditions (PubMed:30190287). Binds to the promoter region of the FOXP3 gene and promotes its transcription, and might thereby contribute to pT reg cell differentiation in the spleen and lymph nodes during inflammation (PubMed:30190287). Plays a redundant role with SOX4 and SOX11 in cell survival of developing tissues such as the neural tube, branchial arches and somites, thereby contributing to organogenesis (PubMed:20596238). {ECO:0000269 PubMed:18403418, ECO:0000269 PubMed:18505825, ECO:0000269 PubMed:20596238, ECO:0000269 PubMed:30190287}.
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Molecular Weight:	34.1 kDa
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Target Details

UniProt: [Q04890](#)

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