

[Go to Product page](#)

Datasheet for ABIN7556891
SOX10 Protein (AA 1-466) (His tag)

Overview

Quantity:	1 mg
Target:	SOX10
Protein Characteristics:	AA 1-466
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SOX10 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Sox10 Protein expressed in mammalian cells.
Sequence:	MAEEQDLSEV ELSVPGSEEP RCLSPGSAPS LGPDGGGGGS GLRASPGPGE LGKVKKEQQD GEADDDKFPV CIREAVSQVL SGYDWTLVPM PVRVNGASKS KPHVKRPMNA FMVWAQAARR KLADQYPHLH NAELSKTLGK LWRLLNESDK RPFIEEAERL RMQHKKDHPD KYQPRRRKN GKAAQGEAEC PGGEAEQGGA AAIQAHYKSA HLDHRHPEEG SPMSDGNPEH PSGQSHGPPT PPTTPKTELQ SGKADPKRDG RSLGEGGKPH IDFGNVDIGE ISHEVMSNME TFDVTELDQY LPPNGHPGHV GSYSAAAGYGL GSALAVASGH SAWISKPPGV ALPTVSPPGV DAKAQVKTE TGPQGPPHYT DQPSTSQIAY TSLSLPHYGS AFPSISRPQF DYSDHQPSGP YYGHAGQASG LYSAFSYMGP SQRPLYTAIS DPSPSGPQSH SPTHWEQPVY TTLSRP 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.

Product Details

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:

SOX10

Alternative Name:

Sox10 ([SOX10 Products](#))

Background:

Transcription factor SOX-10 (Protein SOX-21) (Transcription factor SOX-M),FUNCTION: Transcription factor that plays a central role in developing and mature glia (PubMed:24204311, PubMed:27532821). Specifically activates expression of myelin genes, during oligodendrocyte (OL) maturation, such as DUSP15 and MYRF, thereby playing a central role in oligodendrocyte maturation and CNS myelination (PubMed:24204311, PubMed:27532821). Once induced, MYRF cooperates with SOX10 to implement the myelination program (PubMed:24204311). Transcriptional activator of MTF, acting synergistically with PAX3 (By similarity). Transcriptional activator of MBP, via binding to the gene promoter (By similarity). {ECO:0000250|UniProtKB:O55170, ECO:0000250|UniProtKB:P56693, ECO:0000269|PubMed:24204311, ECO:0000269|PubMed:27532821}.

Molecular Weight:

49.9 kDa

UniProt:

[Q04888](#)

Target Details

Pathways: [Chromatin Binding](#)

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