Datasheet for ABIN7556068

ZEB1 Protein (AA 1-1124) (His tag)

3 Images

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Overview

Quantity:	1 mg
Target:	ZEB1
Protein Characteristics:	AA 1-1124
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZEB1 protein is labelled with His tag.

Product Details

Purpose:	Made-to-order recombinant ZEB1 Protein expressed in mammalian cells.
Sequence:	MADGPRCKRR KQANPRRNNV TNYNTVVETN SDSDDEDKLH IVEEESVTDA ADCEGVPEDD LPTDQTVLPG RSSEREGNAK NCWEDDRKEG QEILGPEAQA DEAGCTVKDD ECESDAENEQ NHDPNVEEFL QQQDTAVIFP EAPEEDQRQG TPEASGHDEN GTPDAFSQLL TCPYCDRGYK RFTSLKEHIK YRHEKNEDNF SCSLCSYTFA YRTQLERHMT SHKSGRDQRH VTQSGCNRKF KCTECGKAFK YKHHLKEHLR IHSGEKPYEC PNCKKRFSHS GSYSSHISSK KCISLIPVNG RPRTGLKTSQ CSSPSLSASP GSPTRPQIRQ KIENKPLQEQ LSVNQIKTEP VDYEFKPIVV ASGINCSTPL QNGVFTGGGP LQATSSPQGM VQAVVLPTVG LVSPISINLS DIQNVLKVAV DGNVIRQVLE NNQANLASKE QETINASPIQ QGGHSVISAI SLPLVDQDGT TKIIINYSLE QPSQLQVVPQ NLKKENPVAT NSCKSEKLPE DLTVKSEKDK SFEGGVNDST CLLCDDCPGD INALPELKHY DLKQPTQPPP LPAAEAEKPE SSVSSATGDG NLSPSQPPLK NLLSLLKAYY ALNAQPSAEE LSKIADSVNL PLDVVKKWFE KMQAGQISVQ SSEPSSPEPG KVNIPAKNND QPQSANANEP QDSTVNLQSP LKMTNSPVLP VGSTTNGSRS STPSPSPLNL SSSRNTQGYL

Product Details

	YTAEGAQEEP QVEPLDLSLP KQQGELLERS TITSVYQNSV YSVQEEPLNL SCAKKEPQKD SCVTDSEPVV NVIPPSANPI NIAIPTVTAQ LPTIVAIADQ NSVPCLRALA ANKQTILIPQ VAYTYSTTVS PAVQEPPLKV IQPNGNQDER QDTSSEGVSN VEDQNDSDST PPKKKMRKTE NGMYACDLCD KIFQKSSSLL RHKYEHTGKR PHECGICKKA FKHKHHLIEH MRLHSGEKPY QCDKCGKRFS HSGSYSQHMN HRYSYCKREA EERDSTEQEE AGPEILSNEH VGARASPSQG DSDERESLTR EEDEDSEKEE EEEDKEMEEL QEEKECEKPQ GDEEEEEEEE EVEEEEVEEA ENEGEEAKTE GLMKDDRAES QASSLGQKVG ESSEQVSEEK TNEA **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:	ZEB1
Alternative Name:	ZEB1 (ZEB1 Products)
Background:	Zinc finger E-box-binding homeobox 1 (NIL-2-A zinc finger protein) (Negative regulator of IL2)

Target Details

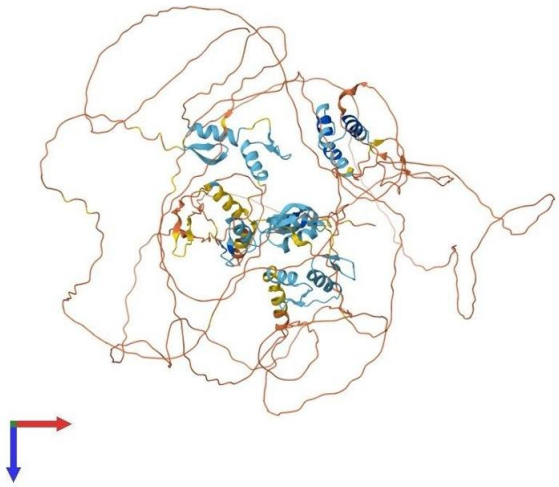
	(Transcription factor 8) (TCF-8),FUNCTION: Acts as a transcriptional repressor. Inhibits interleukin-2 (IL-2) gene expression. Enhances or represses the promoter activity of the ATP1A1 gene depending on the quantity of cDNA and on the cell type. Represses E-cadherin promoter and induces an epithelial-mesenchymal transition (EMT) by recruiting SMARCA4/BRG1. Represses BCL6 transcription in the presence of the corepressor CTBP1. Positively regulates neuronal differentiation. Represses RCOR1 transcription activation during neurogenesis. Represses transcription by binding to the E box (5'-CANNTG-3'). In the absence of TGFB1, acts as a repressor of COL1A2 transcription via binding to the E-box in the upstream enhancer region (By similarity). {ECO:0000250|UniProtKB:Q64318, ECO:0000269|PubMed:19935649, ECO:0000269|PubMed:20175752, ECO:0000269|PubMed:20418909}.
Molecular Weight:	124.1 kDa
UniProt:	P37275
Pathways:	Regulation of Muscle Cell Differentiation

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

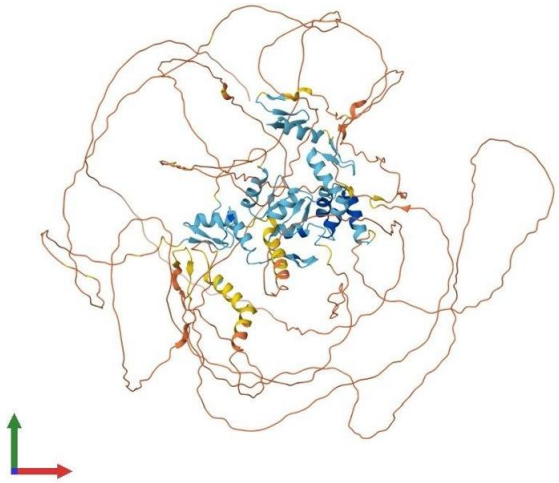
Handling

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



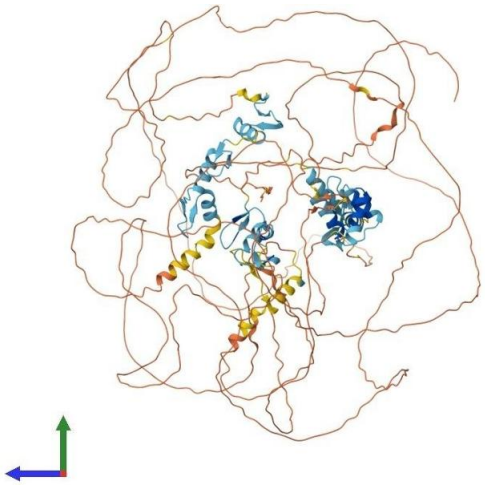
Protein Structure

Image 1. AlphaFold protein structure predicition of Human Recombinant ZEB1 Protein, UniprotID P37275



Protein Structure

Image 2. AlphaFold protein structure predicition of Human Recombinant ZEB1 Protein, UniprotID P37275



Protein Structure

Image 3. AlphaFold protein structure predicition of Human Recombinant ZEB1 Protein, UniprotID P37275