

Datasheet for ABIN7556093
ZBTB4 Protein (AA 1-1013) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	ZBTB4
Protein Characteristics:	AA 1-1013
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZBTB4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ZBTB4 Protein expressed in mammalian cells.
Sequence:	MPPPAEVTDP SHAPAVLRQL NEQRLRGLFC DVTLIAGDTK FPAHRSVLAA SSPFFREALL TSAPLPLPPA TGGAAPNPAT TTAASSSSSS SSSSSSSSSS ASSSSSSSSS SPPPASPPAS SPPRVLELPG VPAAAFSDVL NFIYSARLAL PGGGGDGA AV AEIGALGRRL GISRLQGLGE GGDAWVPPTP APMATSQPEE DSFGPGPRPA GEWEGDRAEA QAPDLQCSLP RRPLPCPQCG KSFHPKRLQ THEAQCRGA STRGSTGLGA GGAGPGGPAG VDASALPPPV GFRGGPEHV KVVGGHVLYV CAACERSYVT LSSLRHSNV HSWRRKYPCR YCEKVFALAE YRTKHEVWHT GERRYQCIFC WETFVTTYNL KTHQRAFHI SPGLLASEKT PNGGYKPKLN TLKLYRLLPM RAAKRPYKTY SQGAPEAPLS PTLNTPAPVA MPASPPPGPP PAPEPGPPPS VITFAHPAPS VIVHGGSSSG GGGSGTASTG GSQAASVITY TAPPRPPKKR EYPPPPPEPA ATPTSPATAV SPATAAGPAM ATTTEEAKGR NPRAGRTLTY TAKPVGGIGG GGGPPTGAGR GPSQLQAPP LCQITVRIGE EAIVKRRISE TDLRPGELSG EEMEESEDE EEEEEEEEE DEEESKAGGE DQLWRPYYSY KPKRKAGAAG GASVGGSGLP RGRPPRWRQ KLERRSWEET PAESPAGRA

Product Details

RTERRHRCGD CAQTFTTLRK LRKHQEAHGG GSHSSRAGRR PSTRFTCPHC AKVCKTAAAL
SRHGQRHAAE RGGTPTPVI AYSKGSAGTR PGDVKEEAPQ EMQVSSSSGE AGGGSTAAEE
ASETASLQDP IISGGEEPVP VASGGSYVYP PVQEFPLALI GGGREPGGGR GKSGSEGPVG
AGEGDRMEGI GAAKVTFYPE PYPLVYGPQL LAAYPYNFSN LAALPVALNM VLPDEKGAGA
LPFLPGVFGY AVNPQAAPPA PPTPPPPTLP PPIPPKGEGE RAGVERTQKG DVG **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: ZBTB4

Alternative Name: ZBTB4 ([ZBTB4 Products](#))

Background: Zinc finger and BTB domain-containing protein 4 (KAISO-like zinc finger protein 1) (KAISO-L1),FUNCTION: Transcriptional repressor with bimodal DNA-binding specificity. Represses transcription in a methyl-CpG-dependent manner. Binds with a higher affinity to methylated

Target Details

CpG dinucleotides in the consensus sequence 5'-CGCG-3' but can also bind to the non-methylated consensus sequence 5'-CTGCNA-3' also known as the consensus kaiso binding site (KBS). Can also bind specifically to a single methyl-CpG pair and can bind hemimethylated DNA but with a lower affinity compared to methylated DNA (PubMed:16354688). Plays a role in postnatal myogenesis, may be involved in the regulation of satellite cells self-renewal (By similarity). {ECO:0000250|UniProtKB:Q5F293, ECO:0000269|PubMed:16354688}.

Molecular Weight: 105.1 kDa

UniProt: [Q9P1Z0](#)

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