

Datasheet for ABIN7556065
ZBTB1 Protein (AA 1-713) (His tag)



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Overview

Quantity:	1 mg
Target:	ZBTB1
Protein Characteristics:	AA 1-713
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZBTB1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ZBTB1 Protein expressed in mammalian cells.
Sequence:	MAKPSHSSYV LQQLNNQREW GFLCDDCCIAI DDIYFQAHKA VLAACSSYFR MFFMNHQHST AQLNLSNMKI SAECFDLILQ FMYLGKIMTA PSSFEQFKVA MNYLQLYNVP DCLEDIQDAD CSSSKCSSSA SSKQNSKMIF GVRMYEDTVA RNGNEANRWC AEPSSVTNTP HNREADEESL QLGNFPEPLF DVCKKSSVSK LSTPKERVSR RFGRSFTCDS CGFGFSCEKL LDEHVLCTN RHLYQNTRSY HRIVDIRDGK DSNIAEFGE KDSSKTFSAQ TDKYRGDTSQ AADDSASTTG SRKSSTVESE IASEEKSRAA ERKRIIKME PEDIPTDELK DFNIIKVTDK DCNESTDNDE LEDEPEEPFY RYYVEEDVSI KKSGRKTLKP RMSVSADERG GLENMRPPNN SSPVQEDAEN ASCELCGLTI TEEDLSSHYL AKHIENICAC GKCGQILVKG RQLQEHAQRC GEPQDLTMNG LGNTEEKMDL EENPDEQSEI RDMFVEMLDD FRDNHYQINS IQKKQLFKHS ACPFRCPNCG QRFETENLVV EHMSSCLDQD MFKSAIMEEN ERDHRKHFHFC NLCKGKGFYQR CHLREHYTVH TKEKQFVCQT CGKQFLRERQ LRLHNDMHKG MARYVCSICD QGNFRKHDHV RHMISHLSAG ETICQVCFQI FPNNEQLEQH MDVHLYTCGI CGAKFNLRKD MRSHYNAKHL KRT 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: ZBTB1

Alternative Name: ZBTB1 ([ZBTB1 Products](#))

Background: Zinc finger and BTB domain-containing protein 1,FUNCTION: Acts as a transcriptional repressor (PubMed:20797634). Represses cAMP-responsive element (CRE)-mediated transcriptional activation (PubMed:21706167). In addition, has a role in translesion DNA synthesis. Requires for UV-inducible RAD18 loading, PCNA monoubiquitination, POLH recruitment to replication factories and efficient translesion DNA synthesis (PubMed:24657165). Plays a key role in the transcriptional regulation of T lymphocyte development (By similarity).
{ECO:0000250|UniProtKB:Q91VL9, ECO:0000269|PubMed:20797634, ECO:0000269|PubMed:21706167, ECO:0000269|PubMed:24657165}.

Target Details

Molecular Weight: 82.0 kDa

UniProt: [Q9Y2K1](#)

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