

Datasheet for ABIN7545719  
**ZBTB48 Protein (AA 1-688) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ZBTB48
Protein Characteristics:	AA 1-688
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZBTB48 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant ZBTB48 Protein expressed in mammalian cells.
Sequence:	<p>MDGSFVQHSV RVLQELNKQR EKGQYCDATL DVGGLVFKAH WSVLACCSHF FQSLYGDGSG</p> <p>GSVVLPAGFA EIFGLLLDFF YTGHLALTSG NRDQVLLAAR ELRVPEAVEL CQSFKPKTSV</p> <p>GQAAGGQSGI GPPASQNVNS HVKEPAGLEE EEVSRTLGLV PRDQEPRGSH SPQRPQLHSP</p> <p>AQSEGPSSLC GKLKQALKPC PLEDKKPEDC KVPPRPLEAE GAQLQGGSSNE WEVVVQVEDD</p> <p>GDGDYMSPEPE AVLTRRKSNV IRKPCAAEPA LSAGSLAAEP AENRKGTAVP VECPTCHKKF</p> <p>LSKYLLKVHN RKHTGEKPF ECPKCGKCYFR KENLLEHEAR NCMNRSEQVF TCSVCQETFR</p> <p>RRMELRVHNV SHTGEMPYKC SSCSQQFMQK KDLQSHMIKL HGAPKPHACP TCAKCFLSRT</p> <p>ELQLHEAFKH RGEKLFVCEE CGHRASSRNG LQMHIKAKHR NERPHVCEFC SHAFTQKANL</p> <p>NMHLRTHTGE KPFQCHLCGK TFRTQASLDK HNRTHTGERP FSCEFCEQRF TEKGPLLRHV</p> <p>ASRHQEGRPH FCQICGKTFK AVEQLRVHVR RHKGVRKFEC TECGYKFTRQ AHLRRHMEIH</p> <p>DRVENYNPRQ RKLRLNIIED EKMVVVALQP PAEEVGSAAE VIVESLAQGG LASQLPGQRL</p> <p>CAEESFTGPG VLEPSLIITA AVPEDCDT <b>Sequence without tag. The proposed Purification-Tag</b></p>

## Product Details

**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:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

## Target Details

Target:	ZBTB48
Alternative Name:	ZBTB48 ( <a href="#">ZBTB48 Products</a> )
Background:	<p>Telomere zinc finger-associated protein (TZAP) (Krueppel-related zinc finger protein 3) (hKR3) (Zinc finger and BTB domain-containing protein 48) (Zinc finger protein 855),FUNCTION: Telomere-binding protein that acts as a regulator of telomere length (PubMed:28500257, PubMed:28082411). Directly binds the telomeric double-stranded 5'-TTAGGG-3' repeat (PubMed:28500257, PubMed:28082411). Preferentially binds to telomeres that have a low concentration of shelterin complex and acts as a regulator of telomere length by initiating telomere trimming, a process that prevents the accumulation of aberrantly long telomeres (PubMed:28082411). Also acts as a transcription regulator that binds to promoter regions (PubMed:7969177, PubMed:24382891, PubMed:28500257). Regulates expression of a small</p>

## Target Details

subset of genes, including MTFP1 (PubMed:28500257). Regulates expression the J and/or S elements in MHC II promoter (PubMed:7969177). Acts as a negative regulator of cell proliferation by specifically activating expression of ARF, a tumor suppressor isoform of CDKN2A (PubMed:24382891). {ECO:0000269|PubMed:24382891, ECO:0000269|PubMed:28082411, ECO:0000269|PubMed:28500257, ECO:0000269|PubMed:7969177}.

Molecular Weight: 77.1 kDa

UniProt: [P10074](#)

## 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