

Datasheet for ABIN7554217  
**ZBTB33 Protein (AA 1-672) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ZBTB33
Protein Characteristics:	AA 1-672
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZBTB33 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat ZBTB33 Protein expressed in mammalien cells.
Sequence:	MESRKLISAT DIQYSGSLLN SLNEQRGHGL FCDVTVIVED RKFRAHKNIL SASSTYFHQL FSVAGQVVVEL SFIRAEIFAE ILNYIYSSKI VRVRSDLLDE LIKSGQLLGV KFIAELGVPL SQVKSISGTA QDGNTEPLPP DSGDKNLVIQ KSKDEAQDNG ATIMPIITES FLSAEDYEM KKIIVTDSDD DDDDVIFCSE ILPTKETLPS NNTVAQVQSN PGPVAISDVA PSASNNSPPL TNITPTQKLP TPVNQATLSQ TQGSEKLLVS SAPTHLTPNI ILLNQTPLST PPNVSSSLPN HMPSSINLLV QNQQTPNSAI LTGNKANEEEE EEEIIDDDDD TISSPDSAV SNTSLVPQAD TSQNTSFDGS LIQMQIPTL LQEPLSNLKI ISDIITRNTN DPGVGSKHLM EGQKIITLDT ATEIEGLSTG CKVYANIGED TYDIVIPVKD DPDEGEARLE NEIPKTSGSE MANKRMKVKH DDHYELIVDG RVYYICIVCK RSYVCLTSLR RHFNIHSWEK KYPCRYCEKV FPLAEYRTKH EIHHTGERRY QCLACGKFSI NYQFMSSHIK SVHSQDPSGD SKLYRLHPCR SLQIRQYAYL SDRSSTIPAM KDDGIGYKVD TGKEPPVGT TSTQNKPMTW EDIFIQQEND SIFKQNVTDG STEFEFIPE SY

**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.**

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### 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.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

ZBTB33

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### Alternative Name:

ZBTB33 ([ZBTB33 Products](#))

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### Background:

Transcriptional regulator Kaiso (Zinc finger and BTB domain-containing protein 33),FUNCTION: Transcriptional regulator with bimodal DNA-binding specificity. Binds to methylated CpG dinucleotides in the consensus sequence 5'-CGCG-3' and also binds to the non-methylated consensus sequence 5'-CTGCNA-3' also known as the consensus kaiso binding site (KBS). Recruits the N-CoR repressor complex to promote histone deacetylation and the formation of repressive chromatin structures in target gene promoters. May contribute to the repression of target genes of the Wnt signaling pathway. May also activate transcription of a subset of target genes by the recruitment of CTNND2. Represses expression of MMP7 in conjunction with transcriptional corepressors CBFA2T3, CBFA2T2 and RUNX1T1 (PubMed:23251453). {ECO:0000269|PubMed:11445535, ECO:0000269|PubMed:14527417,

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## Target Details

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ECO:0000269|PubMed:15548582, ECO:0000269|PubMed:15817151,  
ECO:0000269|PubMed:16354688, ECO:0000269|PubMed:23251453}.

Molecular Weight: 74.5 kDa

UniProt: [Q86T24](#)

## Application Details

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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

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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