

Datasheet for ABIN7545628
ZFP57 Protein (AA 1-452) (His tag)



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Overview

Quantity:	1 mg
Target:	ZFP57
Protein Characteristics:	AA 1-452
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZFP57 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ZFP57 Protein expressed in mammalian cells.
Sequence:	MAAGEPRLL FFQKPVTFED VAVNFTQEEW DCLDASQRVL YQDVMSETFK NLTSVARIFL HKPELITKLE QEEEQWRETR VLQASQAGPP FFCYTCKGKCF SRRSYLYSHQ FVHNPKLTNS CSQCGLFRS PKSLSYHRRM HLGEPFCCT LCDKTYCDAS GLSRHRRVHL GYRPHSCSVC GKSFRDQSEL KRHQKIHQNQ EPVDGNQECT LRIPGTQAEF QTPIARSQRS IQGLLDVNHA PVARSQEPIF RTEGPMAQNN ASVLKNQAPV TRTQAPITGT LCQDARSNSH PVKPSRLNVF CCPHCSLTFS KKSYSRHRQK AHLTEPPNYC FHCSKSFSSF SRLVRHQQTH WKQKSYLCPI CDLSFGEKEG LMDHWRGYKG KDLCQSSHK CRVILGQWLG FSHDVPTMAG EEWKHGGDQS PPRIHTPRRR GLREKACKGD KTKEAVSILK HK 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

Product Details

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:

ZFP57

Alternative Name:

ZFP57 ([ZFP57 Products](#))

Background:

Zinc finger protein 57 homolog (Zfp-57) (Zinc finger protein 698),FUNCTION: Transcription regulator required to maintain maternal and paternal gene imprinting, a process by which gene expression is restricted in a parent of origin-specific manner by epigenetic modification of genomic DNA and chromatin, including DNA methylation. Acts by controlling DNA methylation during the earliest multicellular stages of development at multiple imprinting control regions (ICRs) (PubMed:18622393, PubMed:30602440). Acts together with ZNF445, but ZNF445 seems to be the major factor in human early embryonic imprinting maintenance. In contrast, in mice, ZFP57 plays the predominant role in imprinting maintenance (PubMed:30602440). Required for the establishment of maternal methylation imprints at SNRPN locus. Acts as a transcriptional repressor in Schwann cells. Binds to a 5'-TGCCGC-3' consensus sequence and recognizes the methylated CpG within this element (By similarity).

{ECO:0000250|UniProtKB:Q8C6P8, ECO:0000269|PubMed:18622393,

Target Details

ECO:0000269|PubMed:30602440}.

Molecular Weight: 51.9 kDa

UniProt: [Q9NU63](#)

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