

Datasheet for ABIN7556072  
**ZNF445 Protein (AA 1-1031) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ZNF445
Protein Characteristics:	AA 1-1031
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZNF445 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant ZNF445 Protein expressed in mammalian cells.
Sequence:	MPPGRWHAAY PAQAQSSRER GRLQTVKKEE EDESYTPVQA ARPQTLNRPQ QELFRQLFRQ LRYHESSGPL ETL SRLRELC RWWLRPDVLS KAQILELLVL EQFLSILPGE LRVVWQLHNP ESGEEAVALL EELQRDL DGT SWRDPGPAQS PDVHWMGTGA LRSAQIWSLA SPLRSSALG DHLEPPYEIE ARDFLAGQSD TPAAQMPALF PREGCPGDQV TPTRSLTAQL QETMTFKDVE VTFSQDEWGW LDSAQRNLYR DVML ENYRNM ASLVGPFTKP ALISWLEARE PWGLNMQAAQ PKGPNVAAPT GDDLQSKTNK FILNQEPL EE AETLAVSSGC PATSVSEGIG LRESFQQKSR QKDQCENPIQ VRVKKEETNF SHRTGKDSEV SGSNSLDLKH VTYLRVSGRK ESLKHGCGKH FRMSSHHDY KKYGKGLRHM IGGFSLHQRI HSGLKGNKKD VCGKDFSLSS HHQRGQSLHT VGVSFKCSDC GRTFSHSSHL AYHQLRHTQE KAFKCRVCGK AFRWSSNCAR HEKIHTGVKP YKCDLCEKAF RRLSAYRLHR ETHAKKKFLE LNQYRAALTY SSGFDHHLGD QSGEKLFDSC QCRKSFHCKS YVLEHQRIHT QEKPYKCTKC RKTFRWRSNF TRHMRLHEEE KFYKQDECRE GFRQSPDCSQ PQGAPAVEKT FLCQQCGKTF TRKKTLDVHQ RIHTGEKPYQ CSDCGKDFAY

## Product Details

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RSAFIVHKKK HAMKRKPEGG PSFSQDTV FQ VPQSSHSKEE PYKCSQCGKA FRNHSFLLIH  
QRVHTGEKPY KCRECGKA FR WSSNLYRHQR IHSLQKQYDC HESEKTPNVE PKILTGEKRF  
WCQECGKTFT RKRTLLDHKG IHSGEKRYKC NLCKGKSYDRN YRLVNHQRIH STERPFKQW  
CGKEFIGRHT LSSHQRKHTR AAQAERSPPA RSSSQDTKLR LQKLPSEEM PLEDCKEACS  
QSSRLTGLQD ISIGKKCHKC SICGKTFNKS SQLISHKRFH TRERPFKCSK CGKTFRWSSN  
LARHMKNHIR D **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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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.

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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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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Grade: custom-made

## Target Details

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Target: ZNF445

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Alternative Name: ZNF445 ([ZNF445 Products](#))

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Background: Zinc finger protein 445 (ZFP445) (Zinc finger protein 168) (Zinc finger protein with KRAB and SCAN domains 15),FUNCTION: Transcription regulator required to maintain maternal and paternal gene imprinting, a process by which gene expression is restricted in a parent of origin-

## Target Details

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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:30602440). Acts together with ZFP57, but 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). {ECO:0000269|PubMed:30602440}.

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Molecular Weight: 119.0 kDa

UniProt: [P59923](#)

## Application Details

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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

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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