

Datasheet for ABIN7553913
ZFPM1 Protein (AA 1-1006) (His tag)



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Overview

Quantity:	1 mg
Target:	ZFPM1
Protein Characteristics:	AA 1-1006
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZFPM1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat ZFPM1 Protein expressed in mammalian cells.
Sequence:	<p>MSRRKQSNPR QIKRSLGDME AREEVQLVGA SHMEQKATAP EAPSPPSADV NSPPPLPPPT</p> <p>SPGGPKELEG QEPEPRPTEE EPGSPWSGPD ELEPVVQDGQ RRIRARLSLA TGLSWGPFHG</p> <p>SVQTRASSPR QAEPSPALTL LLVDEACWLR TLPQALTEAE ANTEIHRKDD ALWCRVTKPV</p> <p>PAGGLLSVLL TAEPHSTPGH PVKKEPAEPT CPAPAHDLQL LPQQAGMASI LATAVINKDV</p> <p>FPCKDCGIWY RSERNLQAH LYYCASRQGT GSPAAAATDE KPKETYPNER VCPFPQCRKS</p> <p>CPSASSLEIH MRSHSGERPF VCLICLSAFT TKANCERHLK VHTDTLSGVC HSCGFISTTR</p> <p>DILYSHLVTN HMVCQPGSKG EIYSPGAGHP ATKLPDLSLG SFQQQHTALQ GPLASADLGL</p> <p>APTPSPGLDR KALAEATNGE ARAEPLAQNG GSSEPPAAPR SIKVEAVEEP EAAPILGPGE</p> <p>PGPQAPSRTP SPRSPAPARV KAEISSPTPG SSPVPGELGL AGALFLPQYV FGPDAAPPAS</p> <p>EILAKMSELV HSRLQQGAGA GAGGAQTGLF PGAPKGATCF ECEITFSNVN NYYVHKRLYC</p> <p>SGRRAPEDAP AARRPKAPPG PARAPPGQPA EPDAPRSSPG PGAREEGAGG AATPEDGAGG</p>

RGSEGSQSPG SSVDDAEDDP SRTLCEACNI RFSRHETYTV HKRYYCASRH DPPRRRPAAP
PGPPGPAAPP APSPAAPVRT RRRRKLYELH AAGAPPPPPP GHAPAPESPR PGSGSGSGPG
LAPARSPGA ADGPIDLSKK PRRPLPGAPA PALADYHECT ACRVSFHSLE AYLAHKKYSC
PAAPPPGALG LPAAACPYCP PNGPVRGDLH EHFRLAHGLL LGAPLAGPGV EARTPADRGP
SPAPAPAASP QPGSRGPRDG LGPEPQEPPP GPPPSPAAP EAVPPPPAPP SYSDKGVQTP
SKGTPAPLPN GNHRYCRLCN IKFSSLSTFI AHKKYYCSSH AAHVK **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.**

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, Western Blot

Grade:

custom-made

Target Details

Target:

ZFPM1

Alternative Name:

ZFPM1 ([ZFPM1 Products](#))

Background:

Zinc finger protein ZFPM1 (Friend of GATA protein 1) (FOG-1) (Friend of GATA 1) (Zinc finger protein 89A) (Zinc finger protein multitype 1),FUNCTION: Transcription regulator that plays an essential role in erythroid and megakaryocytic cell differentiation. Essential cofactor that acts via the formation of a heterodimer with transcription factors of the GATA family GATA1, GATA2

Target Details

and GATA3. Such heterodimer can both activate or repress transcriptional activity, depending on the cell and promoter context. The heterodimer formed with GATA proteins is essential to activate expression of genes such as NFE2, ITGA2B, alpha- and beta-globin, while it represses expression of KLF1. May be involved in regulation of some genes in gonads. May also be involved in cardiac development, in a non-redundant way with ZFPM2/FOG2 (By similarity). {ECO:0000250}.

Molecular Weight: 104.9 kDa

UniProt: [Q8IX07](#)

Application Details

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

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