

Datasheet for ABIN7553940
ZFPM2 Protein (AA 1-1151) (His tag)



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Overview

Quantity:	1 mg
Target:	ZFPM2
Protein Characteristics:	AA 1-1151
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZFPM2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat ZFPM2 Protein expressed in mammalian cells.
Sequence:	<p>MSRRKQSKPR QIKRPLEDAI EDEEECPSE ETDIISKGDF PLEESFSTEF GPENLSCEEV</p> <p>EYFCNKGDD EGIQETAESDG DTQSEKPGQP GVETDDWDGP GELEVFQKDG ERKIQRQQL</p> <p>PVGTTWGPFP GKMDLNNNSL KTKAQVPMVL TAGPKWLLDV TWQGVEDNKN NCIVYSKGGQ</p> <p>LWCTTTKAIS EGEELIAFVV DFDSRLQAAS QMTLTEGMYP ARLLDSIQLL PQQAAMASIL</p> <p>PTAIVNKDIF PCKSCGIWYR SERNLQAHLM YYCSGRQREA APVSEENEDS AHQISSLCPF</p> <p>PQCTKSFSNA RALEMHLNSH SGVKMEEFLL PGASLKCTVC SYTADSVINF HQHLFSHLTQ</p> <p>AAFRCNHCHF GFQTQRELLQ HQELHVPSGK LPRESMEHS PSATEDSLQP ATDLLTRSEL</p> <p>PQSQKAMQTK DASSDTELDK CEKKTQLFLT NQRPEIQPTT NKQSFSYTKI KSEPSSPRLA</p> <p>SSPVQPNIGP SFPVGPFLSQ FSFPQDITMV PQASEILAKM SELVHRRRLRH GSSSYPPVIY</p> <p>SPLMPKGATC FECNITFNNL DNYLVHKKHY CSSRWQMAK SPEFPSVSEK MPEALSPNTG</p> <p>QTSINLLNPA AHSADPENPL LQTSCINSST VLDLIGPNGK GHDKDFSTQT KKLSTSSNND</p>

DKINGKPV DV KNPSVPLVDG ESDPNKTTCE ACNITFSRHE TYMVHKQYYC ATRHDPPLKR
SASNKVPAMQ RTMRTKRKR MYEMCLPEQE QRPPLVQQR LDVANLNNPC TSTQEPTGL
GECYHPRCDI FPGIVSKHLE TSLTINKCVP VSKCDTTHSS VSCLEMDVPI DLSKKCLSQS
ERTTTSPKRL LDYHECTVCK ISFNKVENYL AHKQNFPCVT AHQRNDLGQL DGKVFNPES
ERNSPDVSYE RSIKCEKNG NLKQSPNGN LFSSHLATLQ GLKVFSEAAQ LIATKEENRH
LFLPQCLYPG AIKKAKGADQ LSPYYGIKPS DYISGSLVIH NTDIEQSRNA ENESPKGQAS
SNGCAALKKD SLPLLPKNRG MVIVNGGLKQ DERPAANPQQ ENISQNPQHE DDHKSPSWIS
ENPLAANENV SPGIPSAEEQ LSSIAKGVNG SSQAPTSGKY CRLCDIQFNN LSNFITHKKF
YCSSHAAEHV K **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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <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>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	ZFPM2
Alternative Name:	ZFPM2 (ZFPM2 Products)
Background:	Zinc finger protein ZFPM2 (Friend of GATA protein 2) (FOG-2) (Friend of GATA 2) (hFOG-2) (Zinc finger protein 89B) (Zinc finger protein multitype 2),FUNCTION: Transcription regulator

Target Details

that plays a central role in heart morphogenesis and development of coronary vessels from epicardium, by regulating genes that are essential during cardiogenesis. Essential cofactor that acts via the formation of a heterodimer with transcription factors of the GATA family GATA4, GATA5 and GATA6. Such heterodimer can both activate or repress transcriptional activity, depending on the cell and promoter context. Also required in gonadal differentiation, possibly be regulating expression of SRY. Probably acts a corepressor of NR2F2 (By similarity). {ECO:0000250, ECO:0000269|PubMed:10438528}.

Molecular Weight: 128.2 kDa

UniProt: [Q8WW38](#)

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