

Datasheet for ABIN7564265  
**FGD5 Protein (AA 1-1219) (His tag)**



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## Overview

Quantity:	1 mg
Target:	FGD5
Protein Characteristics:	AA 1-1219
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FGD5 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Fgd5 Protein expressed in mammalian cells.
Sequence:	<p>MGSPSEVSP DVQEQAATD NPEVFEEDSA DAAEGEDQIE QEPPNCDEE AYNRDAAAAT MQVGEDLGEE GDHVQEDPAE ESCQIIPFES DSVEEDFSPT LTENPYEIFP TESTSFCNNT YSLDESANGH EPVCEICVEE VPGVGPPLNQ HDSLPDGSGE DSPVVPDVVV VPENEGPVDD ALSSPYVMGV GLLSLGEGAQ SDTQAASGTL SGYSTWEEGD SEGGQVPVDR KNIATRAPH SGKVAGHVPE TVLEETGPET CSSGMGIRD T SDEVKIGIL PEGKPPECVR ALPAKPRAFT LYPRFSVEG RESPLSMFRE PEGAGLD SHR VRRKEDNLSL PGAIGSSGSF SQRSHLPSSG TSTPSSVVDI PPPFDLACIT KKPITKSSPS LLIDGDTLEK ASKKKKSSFK RFELETFRKK TESKVHVDMN LSSSRSSSES SYHGPARVLE LDRRSLNSP QLKCR TGKLR ASDSPAALIF YRDSKRKGVP FSRTVSRVES FEDRSRPPFL PLPLTKPRSI SFPNADTSDY ENIPAMNSDY ENIQIPRRR VRTGTFTKLF EEQSRALSTA NENDGYVDMS SFNAFESKQQ SSEQEAESAY TEPYKVCPIS AAPREDLTSD EEQGSSEEEED SASRDPSLSH KEGEQSRALV IAQELLSSEK AYVQMLQHLS LDFHGAVLRA LENVEQEGRE PLAQEELRQG LRELPAICDL HQGILESLEQ</p>

## Product Details

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RLGDCGEGQP QVADIFLARE QEFEHHAHI LQFDRYLGLL AESCLLSPRL ATTVREFEQS  
SQGGGQSMKH RMLRVVQRLF QYQVLLTDYL NNLCPDSA EY DNTQSALTI SKVTDRANES  
MEQGENLQKL VHIEYSVRGQ GDLLQPGREF LKEGTLMRVR GKSRHPRHLF LMNDTLLYTH  
PQKDGKYRLK SSLPVANMKV SRPVMDKVPY ALKIETPESC LTLSASSCAE RDEWHYCLSR  
ALPEDYKTQA LAAFHHSVEI RERLIGSLGE RLPTLVPVTH AMMCMNCGCD FSLTVRRHHC  
HACGKIVCRN CSRNKYPLKC LKNRMAKVCD GCFRELKLRN GPVPGSMRER PVSMSFPLSS  
SRFSSGSALS SVFQSISPST FKKQKKVPSA LSEVAASGEG SAISGYLSRC KSGKRRWKKL  
WLVIKGVLY TYLASEDKVA MESIPLLGFT IAPEKEEGSS EVGPVFHLYH KKTLFYSFKA  
EDNSAQRWM EAMEDASVL **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: FGD5

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Alternative Name: Fgd5 ([FGD5 Products](#))

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## Target Details

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Background: FYVE, RhoGEF and PH domain-containing protein 5,FUNCTION: Activates CDC42, a member of the Ras-like family of Rho- and Rac proteins, by exchanging bound GDP for free GTP. Mediates VEGF-induced CDC42 activation. May regulate proangiogenic action of VEGF in vascular endothelial cells, including network formation, directional movement and proliferation. May play a role in regulating the actin cytoskeleton and cell shape (By similarity). {ECO:0000250}.

Molecular Weight: 134.7 kDa

UniProt: [Q80UZ0](#)

## 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