

Datasheet for ABIN7553910  
**FGD5 Protein (AA 1-1462) (His tag)**



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## Overview

Quantity:	1 mg
Target:	FGD5
Protein Characteristics:	AA 1-1462
Origin:	Human
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>MFRGPKPIA PKPRLTAPNE WRASVYLNDS LNKCSNGRLP CVDRGLDEGP RSIPKCSESE TDEDYIVVPR VPLREDEPKD EGSVGNKALV SPESSAEEEE EREEGGEACG LEGTGAGEDS VAPAAPGAGA LSREGEEGTD LALEDEGEGC ADEPGTLEQV SRSEEEEKLV QPHRECSLED SGPWAGEGVF QSDLLPHIH GEDQEPPDTP GEAEEDDEEG CASTDPAGAD EGSGPDRPTE DMGQDAEDTS EEPPEKEELA GVQEAETATD CPEVLEEGCE EATGVTGGEQ VDLSEPPDHE KKTNQEVAAA TLEDHAQDES AEESCQIVPF ENDCMEDFVT SLTGSPYEFF PTESTSFCSE SCSPLSESAK GLESEQAPKL GLRAEENPMV GALCGQCGSL QGGAAEGPAA PDVVVVLEEE ALDDALANPY VMGVGLPGQA APGEGGQAAS DALGGYGSKE ELNCEAEGGL VPADRKNTST RVRPHSGKVA GYVPETVPEE TGPEAGSSAP GIGGAAEEVG KTLLSLEGKP LEASRALPAK PRAFTLYPRS FSVEGREIPV SVYQEPEGSG LDDHRIKRKE DNLSLSCVIG SSGSFSQRNH LPSSGTSTPS SMVDIPPPFD LACITKKPIT KSSPSLLIES DSPDKYKKKK SSFKRFLALT FKKKTENKLH VDVNVSSRS SSESSYHGPS RILEVDRRSL SNSPQLKSRT GKLRASESPS</p>

SLIFYRDGKR KGVPFVRTVS RVESFEDRSR PPFLPLPLTK PRSISFPSAD TSDYENIPAM  
NSDYENIQIP PRRPARAGAF TKLFEDQSRA LSTANENDGY VDMSSFNAFE SKQQSADQDA  
ESAYTEPYKV CPISSAAPKE DLTSDEEQRS SEEEDSASRD PSVTHKVEGQ SRALVIAQEL  
LSSEKAYVEM LQHLNLDFHG AVMRALDDMD HEGRDTLARE ELRQGLSELP AIHDLHQGIL  
EELEERLSNW ESQQKVADV LAREQGFDDH ATHILQFDY LGLLSENCLH SPRLAAAVRE  
FEQSVQGGSQ TAKHRLLRVV QRLFQYQVLL TDYLNLCPLD SAEYDNTQGA LSLISKVTDR  
ANDSMEQGEN LQKLVHIEHS VRGQDQLLQP GREFLKEGTL MKVTGKNRRP RHLFLMNDVL  
LYTYPQKDGK YRLKNTLAVA NMKVSVPVME KVPYALKIET SESCLMLSAS SCAERDEWYG  
CLSRALPEDY KAQALAAFHH SVEIRERLGV SLGERPPTLV PVTHVMMCMN CGCDFSLTLR  
RHHCHACGKI VCRNCSRNY PLKYLKDRMA KVCDCGCFGEL KKRGRAVPGL MRERPVSMSF  
PLSSPRFSGS AFSSVFQSIN PSTFKKQKKV PSALTEVAAS GEGSAISGYL SRCKRGKRHW  
KKLWVVIKVK VLYTYMASED KVALESMPLL GFTIAPEKEE GSSEVGPIFH LYHKKTLFYS  
FKAEDTNSAQ RWIEAMEDAS VL **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
Alternative Name:	FGD5 ( <a href="#">FGD5 Products</a> )
Background:	FYVE, RhoGEF and PH domain-containing protein 5 (Zinc finger FYVE domain-containing protein 23),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. {ECO:0000269 PubMed:22328776}.
Molecular Weight:	159.9 kDa
UniProt:	<a href="#">Q6ZNL6</a>

## 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