

Datasheet for ABIN7553948
FGD1 Protein (AA 1-961) (His tag)



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Overview

Quantity:	1 mg
Target:	FGD1
Protein Characteristics:	AA 1-961
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FGD1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat FGD1 Protein expressed in mammalien cells.
Sequence:	MHGHRAPGGA GPSEPEHPAT NPPGAAPPAC ADSDPGASEP GLLARRGSGS ALGGPLDPQF VGPSDTSLGA APGHRVLPCG PSPQHHRALR FSYHLEGSQP RPGLHQGNRI LVKSLSLDPG QSLEPHPEGP QRLRSDPGPP TETPSQRPS LKRAPGPKPQ VPPKPSYLM PRMPPPLEPI PPPSRPLPA DPRVAKGLAP RAEASPSSAA VSSLIEKFER EPVIVASDRP VPGPSPGPPE PVMLPQPTSQ PPVPQLPEGE ASRCLFLLAP GPRDGEKVPN RDSGIDSISS PSNSEETCFV SDDGPPSHSL CPGPPALASV PVALADPHRP GSQEVSDLE EEDDEEEEEEE KDREIPVPLM ERQESVELTV QQKVFHIANE LLQTEKAYVS RLHLLDQVFC ARLLLEARNR SSFPADVWHG IFSNICSIYC FHQQFLLPEL EKRMEEWDY PRIGDILQKL APFLKMYGEY VKNFDRAVEL VNTWTERSTQ FKVIIHEVQK EEACGNLTLQ HHMLEPVQRI PRYELLKDY LLKLPHGSPD SKDAQSLEL IATAAEHSNA AIRKMERMHK LLKVYELLGG EEDIVSPTKE LIKEGHILKL SAKNGTTQDR YLILFNDRLL YCVPRLLLG QKFSVRARID VDMELKESS NLNLPRTFLV

Product Details

SGKQRSLELQ ARTEEEKKDW VQAINSTLLK HEQTLETFLK LNSTNREDED TPPNSPNVDL
GKRAPTPIRE KEVTMCMRCQ EPFNSITKRR HHCKACGHVV CGKCSEFRAR LVDNNSNR
VCTDCYVALH GVPGSSPACS QHTPQRRRSI LEKQASVAAE NSVICSFLHY MEKGGKQWHK
AWFWPENEP LVLYIYGAPQ DVKAQRSLPL IGFEVGPPEA GERPDRRHVF KITQSHLSWY
FSPETEELQR RWMAVLGRAG RGDTFCPGPT LSEDREMEEA PVAALGATAE PPESPQTRDK T

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:

FGD1

Alternative Name:

FGD1 ([FGD1 Products](#))

Background:

FYVE, RhoGEF and PH domain-containing protein 1 (Faciogenital dysplasia 1 protein) (Rho/Rac guanine nucleotide exchange factor FGD1) (Rho/Rac GEF) (Zinc finger FYVE domain-containing protein 3),FUNCTION: Activates CDC42, a member of the Ras-like family of Rho- and Rac proteins, by exchanging bound GDP for free GTP. Plays a role in regulating the actin cytoskeleton and cell shape. {ECO:0000269|PubMed:8969170}.

Target Details

Molecular Weight:	106.6 kDa
UniProt:	P98174
Pathways:	Neurotrophin Signaling Pathway

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