

Datasheet for ABIN7564837
FGD4 Protein (AA 1-766) (His tag)



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Overview

Quantity:	1 mg
Target:	FGD4
Protein Characteristics:	AA 1-766
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FGD4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Fgd4 Protein expressed in mammalien cells.
Sequence:	<p>MEESNPAPTS CTSKGKHSKV SDLISHFEGG SVLSSYIDLQ KDSTMNLNIP QTLGQPGLTS</p> <p>SPPRKFLPQH SPQKQENDPD QTQGQHGCLA NGVVAAQNQM ECEDEKETTL SPEMAIQTAA</p> <p>ASPDTHVLNG ERNETITDSA SSIANSHDEN ASDSSCRTPG TDLGLPSKEG EPGMDAELQE</p> <p>RENGVNTMGL DTLDQHHEVK ETNEQKLHKI ATELLLTERA YVSRDLLDQ VFYCKLLEEA</p> <p>NRGSFPAEMV NKIFSNISSI NAFHSKFLLP ELEKRMQEW E TTPRIGDILQ KLAPFLKMYG</p> <p>EYVKGFDAV ELVKTMTERV PQFKSVTEEI QKQKICGSLT LQHHMLEPIQ RIPRYEMLLK</p> <p>DYLKKLSPDS PDWDAKKSL EIISTAASHS NSAIKRMENL KKLLEIYEML GEEEDIVNPS</p> <p>NELIKEGQIL KLAARNTSAQ ERYLFLFNNM LLYCVPRFSL VGSKFTVRTR VGIDGMKIVE</p> <p>THNEEYPHTF QISGKERTLE LQASSEQDKE EWIKALQESI DAFHQRHETF RNAIAKENDI</p> <p>PLEVSTAELG KRAPRWIRDN EVTMCMKCKE SFNALTRRRH HCRACGHVVC WKCS DYKAQL</p> <p>EYDGGRLNKV CKDCYQIISG FTDSEEKKRR GILEIESAEV SGNSEVCSFL QYMEKSKPWQ</p>

Product Details

KIWCVIPKQD PLVLYMYGAP QDVRAQATIP LLGYVDDMP KSADLPHSFK LTQSKSVHSF
AADNEELKQK WLKIILLAVT GETPDGPSEH LATLNNLPGP KKKSEC **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
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Grade:	custom-made
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Target Details

Target:	FGD4
Alternative Name:	Fgd4 (FGD4 Products)
Background:	<p>FYVE, RhoGEF and PH domain-containing protein 4 (Actin filament-binding protein frabin) (FGD1-related F-actin-binding protein),FUNCTION: Activates CDC42, a member of the Ras-like family of Rho- and Rac proteins, by exchanging bound GDP for free GTP. Activates MAPK8 (By similarity). Plays a role in regulating the actin cytoskeleton and cell shape. Promotes the formation of lamellipodia. {ECO:0000250, ECO:0000269 PubMed:10871857, ECO:0000269 PubMed:11527409}.</p>
Molecular Weight:	86.5 kDa

Target Details

UniProt:	Q91ZT5
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