

Datasheet for ABIN7547701
FGD2 Protein (AA 1-655) (His tag)



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Overview

Quantity:	1 mg
Target:	FGD2
Protein Characteristics:	AA 1-655
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FGD2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat FGD2 Protein expressed in mammalian cells.
Sequence:	<p>MKGASEEKLA SVSNLVTVE NSRTPEAAPR GQRLEDVHHR PECRPPESPG PREKTNVGEA</p> <p>VGSEPRTVSR RYLSNLKNKL SSEAWRKSCQ PVTLSGSGTQ EPEKKIVQEL LETEQAYVAR</p> <p>LHLLDQVFFQ ELLKTARSSK AFPEDVVRVI FSNISSIYQF HSQFFLPELQ RRLDDWTANP</p> <p>RIGDVIQKLA PFLKMYSEYV KNFERAAELL ATWTDKSPLF QEVLTRIQQS EASGSLTLQH</p> <p>HMLEPVQRIP RYELLLKEYI QKLPAQAPDQ ADAQKALDMI FSAAQHSNAA ITEMERLQDL</p> <p>WEVYQRLGLE DDIVDPSNTL LREGPVLKIS FRRNDPMERY LFLFNNMLLY CVPRVIQVGA</p> <p>QFQVRTRIDV AGMKVRELMD AEFPHSFLVS GKQRTLELQA RSQEEMISWM QAFQAAIDQI</p> <p>EKRNETFKAA AQGPEGDIQE QELQSEELGL RAPQWVRDKM VTMCMRCQEP FNALTRRRHH</p> <p>CRACGYVVCA RCSDYRAELK YDDNRPNRVC LHCYAFLTGN VLPEAKEDKR RGILEKGSSA</p> <p>TPDQSLMCSF LQLIGDKWKG SGPRGWCVIP RDDPLVLYVY AAPQDMRAHT SIPLLYGYQVT</p> <p>VGPQGDPRVF QLQQSGQLYT FKAETEELKG RWVKAMERAA SGWSPSWPND GDLS Sequence</p>

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:

FGD2

Alternative Name:

FGD2 ([FGD2 Products](#))

Background:

FYVE, RhoGEF and PH domain-containing protein 2 (Zinc finger FYVE domain-containing protein 4),FUNCTION: Activates CDC42, a member of the Ras-like family of Rho- and Rac proteins, by exchanging bound GDP for free GTP. Activates JNK1 via CDC42 but not RAC1. Binds to phosphatidylinositol 4,5-bisphosphate, phosphatidylinositol 3,4,5-trisphosphate, phosphatidylinositol 5-monophosphate, phosphatidylinositol 4-monophosphate and phosphatidylinositol 3-monophosphate (By similarity). {ECO:0000250}.

Molecular Weight:

74.9 kDa

UniProt:

[Q7Z6J4](#)

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