

Datasheet for ABIN7564024
FGD6 Protein (AA 1-1399) (His tag)



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Overview

Quantity:	1 mg
Target:	FGD6
Protein Characteristics:	AA 1-1399
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FGD6 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Fgd6 Protein expressed in mammalian cells.
Sequence:	MTSAAELKKP PLAPKPKLVG TNNKPPPPPI APKPDIGSAS VPRLTKKTKP AIAPKPKVPT NSVVQDIKHP PSKKPTLNLE EREPELPEST GKSNCCKDVRD PHSDYILPTC SCSSGCIHEP RTRETQCVEQ LVLEPLGMKE NLENSKNGES SKRGSSWDSS SEKCRGQSGV VLKASILEEK LKEVLTQQRS PCGSPGRHRA PKKPEMNGDH SCTRQIRIEF ADVSSSLTGF EKVPAHHNCH PQLPRDESQT LKTCQDGS AE SRGHTDSCEP ENKRVASDGI SQKTEVKGLG PLEIHLLPYT SKFPTPKPRK THAAARLRQ KHVDTPGEST EEPGNSNNGS SCLEEDYCLK NNVSVLRQN ALYNQGPVDE VRPANQRALT GDSNSGGQDS VGSQKAVQQQ TPSLDTDSSL TSDSSGSGVS PAVDKETTYT QCSTQPLSLP KQVTSACTDQ PPATCNPEVS APPIQKESSS SRIIPKKPQR HSLPAAGVLK KAASEELVEK SSSGKETNVE KGLHRNYLHH PGPPNHGASA SPFDMNPNTS EKPVWKLPHL ILPFGSPEA LKRVTLSLNN EPSVSLTKPR AKSLSAVDAD RCNKPCKDPP KKTSFKKLIN VKLSIGFIKS DFQKIRSKSC QHGDVSAGHP LAREPKGLES DWQGLATGEE KRSKPTKAHS AENCLESQK VKSWGQSSAV NGQRAESLDD RILSRHTSCT GDFGPEYENV

RHYEEIPEYE NLPFVMAGRN TPDLGWQNSS SVEDTDASLY EVEEYPYNAPD GQLQLDPRHQ
PCSSGTSQEG KDALHLGLSD LPSDEEVINS SDEDDVSSSES SKGEPDPLED KQDEDAGMKS
KVHHIAKEIM SSEKVFVDVL KLLHIDFRGA VAHASRQLGK PVIEDRILNQ ILYYLPQLYE
LNRDLLKELE ERMLTWTEQQ RIADIFVKKG PYLKMYSYI KEFDKNVALL DEQCKKNPGF
AAVREFEMS PRCANLALKH YLLKPVQRIP QYRLLLDYL KNLLEDSDVDH RDTQDALAVV
IEVANHANDT MKQGDNFQKL MQIQYSLSGH HEIVQPGRVF LKEGTLMKLS RKVMQPRMFF
LFNDALLYTT PMQSGMYKLN NMLSLAGMKV RKPTQEAYQN ELKIESVERS FILSASSAAE
RDDWLEAISS SIEEYAKKRI TFCPSRSLDE DSERKEEVSP LGAKAPIWIP DTRATMCMIC
TSEFTLTWRR HHCACGKIV CQACSSNKYG LDYLGQLAR VCEHCFQELQ KLDHQLSPRV
GSPGNHKSPS SALSSVLHSI PSGRKQKIP AALKEVSANT EDSTMSGYLY RSKGSKKPWK
HLWFIKKNV LYTYAASEDV AALESQPLLG FTVTLVKDEN SESKVFQLLH KGMVFYVFA
DDAHSTQRWI DAFQEGTVL **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.**

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.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target:	FGD6
Alternative Name:	Fgd6 (FGD6 Products)
Background:	FYVE, RhoGEF and PH domain-containing protein 6,FUNCTION: May activate CDC42, a member of the Ras-like family of Rho- and Rac proteins, by exchanging bound GDP for free GTP. May play a role in regulating the actin cytoskeleton and cell shape (By similarity). {ECO:0000250}.
Molecular Weight:	155.2 kDa
UniProt:	Q69ZL1

Application Details

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

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