

Recombinant Full Length Human FGD2 Protein, GST-tagged

Cat. No. FGD2-4786HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FGD2 full-length ORF (NP_775829.1, 1 a.a. - 655 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	655 amino acids
Description	The protein encoded by this gene belongs to a family of guanine nucleotide exchange factors (GEFs) which control cytoskeleton-dependent membrane rearrangements by activating the cell division cycle 42 (CDC42) protein. This gene is expressed in B lymphocytes, macrophages, and dendritic cells. The encoded protein may play a role in leukocyte signaling and vesicle trafficking in antigen-presenting cells in the immune system. [provided by RefSeq, Oct 2016]
Molecular Mass	101.3 kDa
AA Sequence	MKGASEEKLASVSNLVTVFENSRTPEAAPRGHRLEDVHHRPECRPPESPGRP REKT NVGEAVGSEPRTVSRRYLNSLKNKLSSEAWRKSCQPVTLSGSGTQEPEKKIVQELL ETEYAYVARLHLLDQVFFQELLKTARSSKAFPEDVVRVIFSNISSIYQFHSQFFLPELQ RRLDDWTANPRIGDVIQKLAPFLKMYSEYVKNFERAAELLATWTDKSPLFQEVLT RI QSSEASGSLTLQHMLPEVPQRIPRYELLKEYIQKLPAQAPDQADAQKALDMIFSAA QHSNAAITEMERLQDLWEVYQRLGLEDDIVDPSNTLLREGPVLKISFRRNDPMERYL FLFNNMLLYCVPRVIQVGAQFQVRTRIDVAGMKVRELMDAEFPHSFLVSGKQRTLEL

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QARSQEEMISWMQAFQAAIDQIEKRNETFKAAAQGPEGDIQEQLQSEELGLRAPQ
WVRDKMVTMCMRCQEPFNALTRRRHHCRACGYVVCARCS DYRAELKYDDNRPNR
VCLHCYAFLTGNVLPEAKEDKRRGILEKGSSATPDQSLMCSFLQLIGDKWGKSGPR
GWCVIPRDDPLVLYVYAAPQDMRAHTSIPLLGYQVTVGPGQDPRVFQLQQSGQLYT
FKAETEELKGRWVKAMERAASGWSPSWPNDGDLSD

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

FGD2 FYVE, RhoGEF and PH domain containing 2 [Homo sapiens (human)]

Official Symbol

FGD2

Synonyms

FGD2; FYVE, RhoGEF and PH domain containing 2; ZFYVE4; FYVE, RhoGEF and PH domain-containing protein 2; FGD1 family, member 2; FLJ00276 protein; zinc finger FYVE domain-containing protein 4

Gene ID

221472

mRNA Refseq

NM_173558

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Protein Refseq	NP_775829
MIM	605091
UniProt ID	Q7Z6J4

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