Recombinant Human FGD2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. FGD2-2709H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FGD2 MS Standard C13 and N15-labeled recombinant protein (NP_775829) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	74.9 kDa
AA Sequence	MKGASEEKLASVSNLVTVFENSRTPEAAPRGHRLEDVHHRPECRPPESPGPREKT NVGEAVGSEPRTVSRRYLNSLKNKLSSEAWRKSCQPVTLSGSGTQEPEKKIVQELL ETEQAYVARLHLLDQVFFQELLKTARSSKAFPEDVVRVIFSNISSIYQFHSQFFLPELQ RRLDDWTANPRIGDVIQKLAPFLKMYSEYVKNFERAAELLATWTDKSPLFQEVLTRI QSSEASGSLTLQHHMLEPVQRIPRYELLLKEYIQKLPAQAPDQADAQKALDMIFSAA QHSNAAITEMERLQDLWEVYQRLGLEDDIVDPSNTLLREGPVLKISFRRNDPMERYL FLFNNMLLYCVPRVIQVGAQFQVRTRIDVAGMKVRELMDAEFPHSFLVSGKQRTLEL

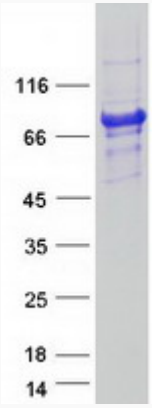
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	QARSQEEMISWMQAFQAAIDQIEKRNETFKAAAQGPEGDIQEQELQSEELGLRAPQ WVRDKMVTMCMRCQEPFNALTRRRHHCRACGYVVCARCSDYRAELKYDDNRPNR VCLHCYAFLTGNVLPEAKEDKRRGILEKGSSATPDQSLMCSFLQLIGDKWGKSGPR GWCVIPRDDPLVLYVYAAPQDMRAHTSIPLLGYQVTVGPQGDPRVFQLQQSGQLYT FKAETEELKGRWVKAMERAASGWSPSWPNDGDLSDTRTRPLEQKLISEEDLAANDI LDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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; epididymis secretory sperm binding protein; zinc finger FYVE domain-containing protein 4
Gene ID	221472

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mRNA Refseq	NM_173558
Protein Refseq	NP_775829
MIM	605091
UniProt ID	Q7Z6J4
SDS-PAGE	

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