Recombinant Full Length Human FGD3 Protein, GST-tagged

Cat. No. FGD3-4789HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FGD3 full-length ORF (AAH32429.1, 1 a.a. - 725 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	725 amino acids
Description	FGD3 (FYVE, RhoGEF And PH Domain Containing 3) is a Protein Coding gene. Diseases associated with FGD3 include Aarskog-Scott Syndrome and Scott Syndrome. Among its related pathways are p75 NTR receptor-mediated signalling and Signaling by GPCR. GO annotations related to this gene include guanyl-nucleotide exchange factor activity and small GTPase binding. An important paralog of this gene is FGD1.
Molecular Mass	105.8 kDa
AA Sequence	MESGRGSSTPPGPIAALGMPDTGPGSSSLGKLQALPVGPRAHCGDPVSLAAAGDG SPDIGPTGELSGSLKIPNRDSGIDSPSSSVAGENFPCEEGLEAGPSPTVLGAHAEMA LDSQVPKVTPQEEADSDVGEEPDSENTPQKADKDAGLAQHSGPQKLLHIAQELLHT EETYVKRLHLLDQVFCTRLTDAGIPPEVIMGIFSNISSIHRFHGQFLLPELKTRITEEW DTNPRLGDILQKLAPFLKMYGEYVKNFDRAVGLVSTWTQRSPLFKDVIHSIQKQEVC GNLTLQHHMLEPVQRVPRYELLLKDYLKRLPQDAPDRKDAERSLELISTAANHSNAA IRKVEKMHKLLEVYEQLGGEEDIVNPANELIKEGQIQKLSAKNGTPQDRHLFLFNSMI

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	LYCVPKLRLMGQKFSVREKMDISGLQVQDIVKPNTAHTFIITGRKRSLELQTRTEEEK KEWIQIIQATIEKHKQNSETFKAFGGAFSQDEDPSLSPDMPITSTSPVEPVVTTEGSS GAAGLEPRKLSSKTRRDKEKQSCKSCGETFNSITKRRHHCKLCGAVICGKCSEFKA ENSRQSRVCRDCFLTQPVAPESTEKTPTADPQPSLLCGPLRLSESGETWSEVWAAI PMSDPQVLHLQGGSQDGRLPRTIPLPSCKLSVPDPEERLDSGHVWKLQWAKQSWY LSASSAELQQQWLETLSTAAHGDTAQDSPGALQLQVPMGAAAP
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	FGD3 FYVE, RhoGEF and PH domain containing 3 [Homo sapiens]
Official Symbol	FGD3
Synonyms	FGD3; FYVE, RhoGEF and PH domain containing 3; FGD1 family, member 3; FYVE, RhoGEF and PH domain-containing protein 3; FLJ00004; ZFYVE5; faciogenital dysplasia 3; zinc finger FYVE domain-containing protein 5; MGC117260;
Gene ID	89846
mRNA Refseq	NM_001083536

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Protein Refseq	NP_001077005
MIM	617554
UniProt ID	Q5JSP0

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