Recombinant Human FGD1 Protein, MYC/DDK-tagged

Cat. No. FGD1-1969H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human FGD1 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293
Species	Human
Source	HEK293
Description	This gene encodes a protein that contains Dbl (DH) and pleckstrin (PH) homology domains and is similar to the Rho family of small GTP-binding proteins. The encoded protein specifically binds to the Rho family GTPase Cdc42Hs and can stimulate the GDP-GTP exchange of the isoprenylated form of Cdc42Hs. It also stimulates the mitogen activated protein kinase cascade leading to c-Jun kinase SAPK/JNK1 activation. Defects in this gene are the cause of faciogenital dysplasia and X-linked mental retardation, syndromatic 16.[provided by RefSeq, Mar 2011]
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	106.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	FGD1 FYVE, RhoGEF and PH domain containing 1 [Homo sapiens]
Official Symbol	FGD1
Synonyms	AAS; FGDY; MRXS16; ZFYVE3
Gene ID	2245
mRNA Refseq	NM_004463
Protein Refseq	NP_004454
MIM	300546
UniProt ID	P98174

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