

Recombinant Human FGD4 293 Cell Lysate

Cat. No. FGD4-6253HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for FYVE, RhoGEF and PH domain containing 4 (FGD4) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

FGD4 FYVE, RhoGEF and PH domain containing 4 [Homo sapiens]

Official Symbol

FGD4

Synonyms

FGD4; FYVE, RhoGEF and PH domain containing 4; FGD1 family, member 4; FYVE, RhoGEF and PH domain-containing protein 4; CMT4H; frabin; FRABP; ZFYVE6; FGD1-related F-actin-binding protein; actin-filament binding protein frabin; zinc finger FYVE domain-containing protein 6; FLJ34370; FLJ42663; MGC57222; DKFZp313E1818; DKFZp434K1572;

Gene ID

121512

mRNA Refseq

NM_139241

Protein Refseq

NP_640334

MIM

611104

UniProt ID

Q96M96

**Chromosome
Location**

12p11.1

Pathway

Cell death signalling via NRAGE, NRIF and NADE, organism-specific biosystem; G alpha (12/13) signalling events, organism-specific biosystem; GPCR downstream

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signaling, organism-specific biosystem; NRAGE signals death through JNK, organism-specific biosystem; Rho GTPase cycle, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by GPCR, organism-specific biosystem;

Function

Rho guanyl-nucleotide exchange factor activity; actin filament binding; guanyl-nucleotide exchange factor activity; metal ion binding; small GTPase binding;

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