

## Recombinant Human FGD2 293 Cell Lysate

**Cat. No.** FGD2-6254HCL    **Lot. No.** (See product label)

### SPECIFICATION

#### Product Overview

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>             | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>              | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>         | Antigen standard for FYVE, RhoGEF and PH domain containing 2 (FGD2) 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.                                                                                                     |
| <b>Components</b>          | 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). |
| <b>Size</b>                | 0.1 mg                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Storage Instruction</b> | 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**

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; FLJ00276 protein; FGD1 family, member 2; zinc finger FYVE domain-containing protein 4

**Gene ID**

221472

**mRNA Refseq**

NM\_173558

**Protein Refseq**

NP\_775829

**MIM**

605091

**UniProt ID**

Q7Z6J4

**Chromosome  
Location**

6p21.2

**Pathway**

Cell death signalling via NRAGE, NRIF and NADE, organism-specific biosystem; G alpha (12/13) signalling events, organism-specific biosystem; NRAGE signals death through JNK, organism-specific biosystem; Signal Transduction, organism-specific biosystem

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**Function**

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

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