

## Recombinant Human FGD5 protein, His-tagged

**Cat. No.** FGD5-12860H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human FGD5 protein(923-1262 aa), fused with N-terminal His tag, was expressed in E.coli.                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 923-1262 aa                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Form</b>             | The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole. |
| <b>AASequence</b>       | MRALDDMDHEGRDTLAREELRQGLSELPAlHDLHQGILEELEERLSNWESQQKVAD<br>VFLAREQGFDDHHATHILQFDRLGLLSENCLHSPRLAAAVREFEQSVQGGSTAKH<br>RLLRVVQRLFQYQVLLTDYLNLCPSAEYDNTQGALSLISKVTDRANDSMEQGEN<br>LQKLVHIEHSVRGQGDLLQPGREFLKEGTLMKVTGKNRRPRHLFLMNDVLLYTYPQ<br>KDGKYRLKNTLAVANMKVSRPVMEKVPYALKIETSESCLMLSASSCAERDEWYGCL<br>SRALPEDYKAQALAAFHHSVEIRERLGVSLGERPPTLVPTVHMMCMNCGCDFSLT<br>LRRH     |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                                                                                                     |
| <b>Storage</b>          | Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months,                                                                                                                                                                                                                                                                                        |

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reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

#### Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

### GENE INFORMATION

**Gene Name** FGD5 FYVE, RhoGEF and PH domain containing 5 [ Homo sapiens ]

**Official Symbol** FGD5

#### Synonyms

FGD5; FYVE, RhoGEF and PH domain containing 5; FYVE, RhoGEF and PH domain-containing protein 5; FLJ00274; FLJ39957; ZFYVE23; zinc finger FYVE domain-containing protein 23;

**Gene ID** 152273

**mRNA Refseq** NM\_152536

**Protein Refseq** NP\_689749

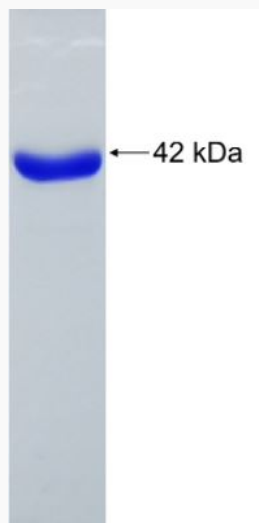
**UniProt ID** Q6ZNL6

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SDS-PAGE



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