

## Recombinant Mouse Frmd8 Protein, Myc/DDK-tagged

**Cat. No.** Frmd8-3085M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length FERM domain containing 8 (Frmd8), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                                                                                   |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | Promotes the cell surface stability of iRhom1/RHBDF1 and iRhom2/RHBDF2 and prevents their degradation via the endolysosomal pathway. By acting on iRhoms, involved in ADAM17-mediated shedding of TNF, amphiregulin/AREG, HBEGF and TGFA from the cell surface. Negatively regulates Wnt signaling, possibly by antagonizing the recruitment of AXIN1 to LRP6. |
| <b>Molecular Mass</b>   | 51.8 kDa                                                                                                                                                                                                                                                                                                                                                       |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                    |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                  |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                                                                                                                                                                 |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                               |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                          |

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## GENE INFORMATION

|                 |                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | Frmd8 FERM domain containing 8 [ Mus musculus (house mouse) ]                                                            |
| Official Symbol | Frmd8                                                                                                                    |
| Synonyms        | FRMD8; FERM domain containing 8; FERM domain-containing protein 8; AU018809; 1200004M23Rik; 2310035N23Rik; 4931429L16Rik |
| Gene ID         | 67457                                                                                                                    |
| mRNA Refseq     | NM_026169                                                                                                                |
| Protein Refseq  | NP_080445                                                                                                                |
| UniProt ID      | Q3UFK8                                                                                                                   |

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