

# Recombinant Full Length Human FRMPD2 Protein, GST-tagged

**Cat. No.** FRMPD2-5065HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| <b>Product Overview</b> | Human FRMPD2 full-length ORF ( NP_001017929.1, 1 a.a. - 261 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 261 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | This gene encodes a FERM and PDZ domain-containing protein and is located in a region of chromosome 10q which contains a segmental duplication resulting in three nearly identical regions. This copy of the gene is full-length and is in the telomeric duplicated region. The exact function of this gene is unknown; however, FERM domains often play a role in signal transduction pathways. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq] |
| <b>Molecular Mass</b>   | 55.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MGDERTAVSLVTALPGRPSSCVSVTDGPKFEVKLKKNANGLGFSFVQMEKESCSHL<br>KSDLVRIKRLFPGQPAEENGAIAGDIILAVNGRSTEGLIQFEVLHLLRGAPQEVTL<br>CRPPPGALPELEQEWQTPELSADKEFTRATCTDSCTSPILDQEDSWRDSASPDAGE<br>GLGLRPESQKAIREAQWGQNRERPWASSLTHSPESHPLCKLHQERDESTLATSL<br>EKDVRQNCYSVCDIMRLGRYSFSSPLTRLSTDIF                                                                                                                                                                                                                                  |

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|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                                             |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                        |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                      |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                      |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                               |
| <b>Gene Name</b>        | FRMPD2 FERM and PDZ domain containing 2 [ Homo sapiens ]                                                                                                                                                                                                                      |
| <b>Official Symbol</b>  | FRMPD2                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>         | FRMPD2; FERM and PDZ domain containing 2; PDZ domain containing 5C, PDZD5C, PDZK5C; FERM and PDZ domain-containing protein 2; MGC35285; PDZ domain containing 5C; PDZ domain-containing protein 4; PDZK4; PDZD5C; PDZK5C; MGC87776; MGC87777; MGC90186; MGC178184; MGC178187; |
| <b>Gene ID</b>          | 143162                                                                                                                                                                                                                                                                        |
| <b>mRNA Refseq</b>      | NM_001018071                                                                                                                                                                                                                                                                  |
| <b>Protein Refseq</b>   | NP_001018081                                                                                                                                                                                                                                                                  |
| <b>MIM</b>              | 613323                                                                                                                                                                                                                                                                        |
| <b>UniProt ID</b>       | Q68DX3                                                                                                                                                                                                                                                                        |

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