

## Recombinant Human MTMR12 Protein, GST-tagged

**Cat. No.** MTMR12-5716H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human MTMR12 full-length ORF (BAA91195.1, 1 a.a. - 637 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | Phosphatidylinositide 3-kinase-derived membrane-anchored phosphatidylinositides, such as phosphatidylinositol 3-phosphate (PtdIns(3)P), regulate diverse cellular processes. The protein encoded by this gene functions as an adaptor subunit in a complex with an active PtdIns(3)P 3-phosphatase. Alternatively spliced transcript variants have been identified, but their biological validity has not been determined. [provided by RefSeq]                                                               |
| <b>Molecular Mass</b>   | 99.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | MLGKGVVGGGGGKAPKPSFVS YVRPEEIH TNEKEVTEKEVTLHLLPGEQLLCEAS<br>TVLK YVQEDSCQHGVYGR LVCTDFKIAFLGDDESALDNDETQFKNKVIGENDITLHC<br>VDQIYG VFDEKKKTLFGQLKKYPEKLIHCKDLRVFQFCLRYTKEEEVKRIVSGIIHHT<br>QAPKLLKRLFLFSYATAAQNN TVTPKNHTVMFDTLKDWCWELERTKGNMKYKA VS<br>VNEG YKVCERLPAYFV VPTPLPEENVQRFQGHGIPWCWSCHNGSALLKMSALPKE<br>QDDGILQIQKSFLDGIYKTIHRPPYEIVKTEDLSSNFLSLQEIQTAYS KFKQLFLIDNST<br>EFWDTDIKWFSLLESSSWLDIIR RCLKKAIEITECMEAQNMNVLLLEENASDLCCLISS<br>LVQLMMDPHCRTRIGFQSLIQKEWVMGGHCFLDRCNHLRQNDKEEHQRQLSLPLT |

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QSKSSPKRGFFREETDHLIKNLLGKRISKLINSSDELQDNFREFYDSWHSKSTDYHG  
 LLLPHIEGPEIKVWAQRYLRWIPEAQILGGGQVATLSKLLEMMEEVQSLQEKIDERHH  
 SQQAPQAEAPCLLRNSARLSSLFPFALLQRHSSKPVLPTSGWKALGDEDDLAKRED  
 EFVDLGDV

**Applications**

Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Notes** Best use within three months from the date of receipt of this protein.

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name** [MTMR12 myotubularin related protein 12 \[ Homo sapiens \]](#)

**Official Symbol** [MTMR12](#)

**Synonyms**

MTMR12; myotubularin related protein 12; phosphatidylinositol 3 phosphate associated protein , PIP3AP; myotubularin-related protein 12; 3 PAP; 3PAP; FLJ20476; KIAA1682; 3-phosphatase adapter protein; 3-phosphatase adapter subunit; phosphatidylinositol-3-phosphate associated protein; phosphatidylinositol-3 phosphate 3-phosphatase adapter subunit; phosphatidylinositol-3 phosphate 3-phosphatase adaptor subunit; 3-PAP; PIP3AP;

**Gene ID** [54545](#)

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|                |                              |
|----------------|------------------------------|
| mRNA Refseq    | <a href="#">NM_001040446</a> |
| Protein Refseq | <a href="#">NP_001035536</a> |
| MIM            | <a href="#">606501</a>       |
| UniProt ID     | <a href="#">Q9C0I1</a>       |

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