Recombinant Full Length Human MTMR12 Protein, GST-tagged

Cat. No. MTMR12-6538HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MTMR12 full-length ORF (BAA91195.1, 1 a.a. - 637 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	637 amino acids
Description	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
Molecular Mass	99.6 kDa
AA Sequence	MLGKGVVGGGGGTKAPKPSFVSYVRPEEIHTNEKEVTEKEVTLHLLPGEQLLCEAS TVLKYVQEDSCQHGVYGRLVCTDFKIAFLGDDESALDNDETQFKNKVIGENDITLHC VDQIYGVFDEKKKTLFGQLKKYPEKLIIHCKDLRVFQFCLRYTKEEEVKRIVSGIIHHT QAPKLLKRLFLFSYATAAQNNTVTVPKNHTVMFDTLKDWCWELERTKGNMKYKAVS VNEGYKVCERLPAYFVVPTPLPEENVQRFQGHGIPIWCWSCHNGSALLKMSALPKE QDDGILQIQKSFLDGIYKTIHRPPYEIVKTEDLSSNFLSLQEIQTAYSKFKQLFLIDNST

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	EFWDTDIKWFSLLESSSWLDIIRRCLKKAIEITECMEAQNMNVLLLEENASDLCCLISS LVQLMMDPHCRTRIGFQSLIQKEWVMGGHCFLDRCNHLRQNDKEEHQRQLSLPLT 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
mRNA Refseq	NM_001040446
Protein Refseq	NP_001035536
MIM	606501
UniProt ID	Q9C0I1

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