

## Recombinant Mouse Mtmr1 Protein, Myc/DDK-tagged

**Cat. No.** Mtmr1-4214M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length myotubularin related protein 1 (Mtmr1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                                                                    |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | Lipid phosphatase that has high specificity for phosphatidylinositol 3-phosphate and has no activity with phosphatidylinositol 4-phosphate, phosphatidylinositol (4,5)-bisphosphate and phosphatidylinositol (3,4,5)-trisphosphate. Activity with phosphatidylinositol (3,5)-bisphosphate is controversial; it has been shown for the human ortholog. |
| <b>Molecular Mass</b>   | 75.8 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       | Mtmt1 myotubularin related protein 1 [ Mus musculus (house mouse) ]             |
| Official Symbol | Mtmt1                                                                           |
| Synonyms        | MTMR1; myotubularin related protein 1; myotubularin-related protein 1; AW049210 |
| Gene ID         | 53332                                                                           |
| mRNA Refseq     | NM_016985                                                                       |
| Protein Refseq  | NP_058681                                                                       |
| UniProt ID      | Q9Z2C4                                                                          |

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