

# Recombinant Human MTMR14, His-tagged

**Cat. No.** MTMR14-1088H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human MTMR14 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.                                                            |
| <b>Species</b>          | Human                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                               |
| <b>ProteinLength</b>    | 245-598aa                                                                                                                                                            |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                            |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol. |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                          |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | MTMR14 myotubularin related protein 14 [ Homo sapiens ]                                                                                                                                                                                                                                  |
| <b>Official Symbol</b> | MTMR14                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>        | MTMR14; myotubularin related protein 14; C3orf29, chromosome 3 open reading frame 29; myotubularin-related protein 14; egg derived tyrosine phosphatase homolog (Drosophila); FLJ22405; FLJ90311; hEDTP; hJumpy; jumpy; NS5ATP4ABP1; egg-derived tyrosine phosphatase homolog; HCV NS5A- |

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|                            |                                                                                                                                                                                                                                                                                                                              |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            | transactivated protein 4 splice variant A-binding protein 1; C3orf29; FLJ11546; FLJ46453;                                                                                                                                                                                                                                    |
| <b>Gene ID</b>             | 64419                                                                                                                                                                                                                                                                                                                        |
| <b>mRNA Refseq</b>         | NM_001077525                                                                                                                                                                                                                                                                                                                 |
| <b>Protein Refseq</b>      | NP_001070993                                                                                                                                                                                                                                                                                                                 |
| <b>MIM</b>                 | 611089                                                                                                                                                                                                                                                                                                                       |
| <b>UniProt ID</b>          | Q8NCE2                                                                                                                                                                                                                                                                                                                       |
| <b>Chromosome Location</b> | 3p26                                                                                                                                                                                                                                                                                                                         |
| <b>Pathway</b>             | 3-phosphoinositide degradation, organism-specific biosystem; 3-phosphoinositide degradation, conserved biosystem; D-myo-inositol-5-phosphate metabolism, organism-specific biosystem; D-myo-inositol-5-phosphate metabolism, conserved biosystem; superpathway of inositol phosphate compounds, organism-specific biosystem; |
| <b>Function</b>            | hydrolase activity; phosphatase activity; phosphatidylinositol-3-phosphatase activity; protein tyrosine phosphatase activity;                                                                                                                                                                                                |