

## Recombinant Human MPP7 Protein, GST-tagged

**Cat. No.** MPP7-5516H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human MPP7 full-length ORF ( AAH38105.1, 1 a.a. - 576 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | Membrane-associated guanylate kinases (MAGUKs) are important adaptor proteins involved in the assembly of protein complexes at sites of cell-cell contact. They are found in synapses, adherens junctions, and tight junctions. All MAGUKs contain at least 1 PDZ domain, an SH3 domain, and a GUK domain, and many contain 1 or 2 L27 domains, which are involved in multimerization of MAGUKs. MPP7 belongs to the p55 stardust subfamily of MAGUKs, which is named for a Drosophila gene required for establishment of cell polarity in the developing fly embryo (Bohl et al., 2007 [PubMed 17237226]).[supplied by OMIM] |
| <b>Molecular Mass</b>   | 92 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MPALSTGSGSDTGLYELLAALPAQLQPHVDSQEDLTFLWDMFGEKSLHSLVKIHEKL<br>HYYEKQSPVPILHGAAALADDLAEELQNKPLNSEIRELLKLLSKPNVKALLSVHDTVA<br>QKNYDPVLPMPEDIDDEEDSVKIIRLVKNREPLGATIKKDEQTGAIVARIMRGGAAD<br>RSGLIHVGDELREVNGIPVEDKRPEEIIQILAQSQGAITFKIIPGSKEETPSKEGKMF<br>IKALFDYNPNEDKAIPCKEAGLSFKKGDILQIMSQDDATWWQAKHEADANPRAGLIPSK<br>HFQERRLALRRPEILVQPLKVSNRKSSGFRRSFRLSRKDKKTNKSMYECKKSDQYD                                                                                                                                                                                                                                                 |

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TADVPTYEEVTPYRRQTNEKYRLVVLVGPVGVGLNELKRKLLISDTQHYGVTPHHT  
RARRSQESDGVEYIFISKHLFETDVQNNKFIEYGEYKNNYYGTSIDSVRSVLAKNKVC  
LLDVQPHTVKHLRTLFEKPYVIFIKPPSIERLRETRKNAKIISSRDDQGAAPFTEEDF  
QEMIKSAQIMESQYGHFLDKIIINDDLTVAFNELKTTFDKLETETHWVPVSWLHS

**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** [MPP7 membrane protein, palmitoylated 7 \(MAGUK p55 subfamily member 7\) \[ Homo sapiens \]](#)

**Official Symbol** [MPP7](#)

**Synonyms** MPP7; membrane protein, palmitoylated 7 (MAGUK p55 subfamily member 7); MAGUK p55 subfamily member 7; FLJ32798; RP11-218D6.5;

**Gene ID** [143098](#)

**mRNA Refseq** [NM\\_173496](#)

**Protein Refseq** [NP\\_775767](#)

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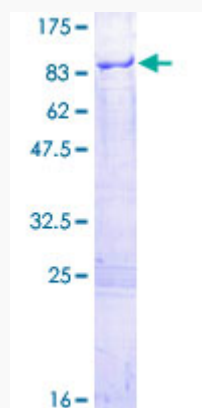
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MIM 610973

UniProt ID Q5T2T1

Quality Control  
Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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