

Recombinant Full Length Human MPP7 Protein, GST-tagged

Cat. No. MPP7-6331HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MPP7 full-length ORF (AAH38105.1, 1 a.a. - 576 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	576 amino acids
Description	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
Molecular Mass	92 kDa
AA Sequence	MPALSTGSGSDTGLYELLAALPAQLQPHVDSQEDLTFLWDMFGEKSLHSLVKIHEKL HYYEKQSPVPILHGAAALADDLAEELQNKPLNSEIRELLKLLSKPNVKALLSVHDTVA QKNYDPVLPMPEDIDDEEDSVKIIRLVKNREPLGATIKKDEQTGAIVARIMRGAAD RSGLIHVGDELREVNGIPVEDKRPEEIIQILAQSQGAITFKIIPGSKEETPSKEGKMF IKALFDYNPNEDKAIPCCKEAGLSFKKGDILQIMSQDDATWWQAKHEADANPRAGLIPSK

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HFQERRLALRRPEILVQPLKVSNRKSSGFRRSFRLSRKDKKTNKSMYECKKSDQYD
TADVPTYEEVTPYRRQTNEKYRLVVLVGPVGVGLNELKRKLLISDTQHYGVTVPHHT
RARRSQESDGVEYIFISKHLFETDVQNNKFIEYGEYKNNYYGTSIDSVRSVLAKNKVC
LLDVQPHTVKHLRTLFEKPYVIFIKPPSIERLRETRKNAKIISRRDDQGAAPFTEEDF
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

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Protein Refseq	NP_775767
MIM	610973
UniProt ID	Q5T2T1

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