

Recombinant Human MPP7 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MPP7-6442H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MPP7 MS Standard C13 and N15-labeled recombinant protein (NP_775767) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a member of the p55 Stardust family of membrane-associated guanylate kinase (MAGUK) proteins, which function in the establishment of epithelial cell polarity. This family member forms a complex with the polarity protein DLG1 (discs, large homolog 1) and facilitates epithelial cell polarity and tight junction formation. Polymorphisms in this gene are associated with variations in site-specific bone mineral density (BMD). Alternative splicing results in multiple transcript variants.
Molecular Mass	65.6 kDa
AA Sequence	MPALSTGSGSDTGLYELLAALPAQLQPHVDSQEDLTFLWDMFGEKSLHSLVKIHEKL HYYEKQSPVPILHGAAALADDLAEELQNKPLNSEIRELLKLLSKPNVKALLSVHDTVA QKNYDPVLPMPEDIDDEEDSVKIIRLVKNREPLGATIKKDEQTGAIVARIMRGGAAD RSGLIHVGDELREVNGIPVEDKRPEEIIQILAQSQGAIITFKIIPGSKEETPSKEGKMF IKALFDYNPNEDKAIPCKEAGLSFKKGDILQIMSQDDATWWQAKHEADANPRAGLIPSK HFQERRLALRRPEILVQPLKVSNRKSSGFRRSFRLSRKDKKTNKSMYECKKSDQYD

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TADVPTYEEVTPYRRQTNEKYRLVVLVGPVGVGLNELKRKLLISDTQHYGVTVPHHT
 RARRSQESDGVVEYIFISKHLFETDVQNNKFIEYGEYKNNYYGTSIDSVRSVLAKNKVC
 LLDVQPHTVKHLRTLFEKPYVIFIKPPSIERLRETRKNAKIISRDDQGAAPFTEEDF
 QEMIKSAQIMESQYGHFLDKIIINDDLTVAFNELKTTFDKLETETHWVPVSWLHSTRT
 RPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name MPP7 membrane palmitoylated protein 7 [Homo sapiens (human)]

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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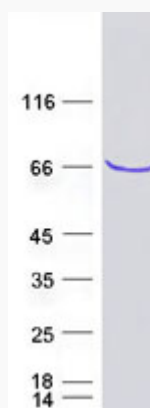
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MIM 610973

UniProt ID Q5T2T1

SDS-PAGE



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