

Recombinant Full Length Human MPP5 Protein, GST-tagged

Cat. No. MPP5-6329HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MPP5 full-length ORF (NP_071919.2, 1 a.a. - 675 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	675 amino acids
Description	Members of the peripheral membrane-associated guanylate kinase (MAGUK) family function in tumor suppression and receptor clustering by forming multiprotein complexes containing distinct sets of transmembrane, cytoskeletal, and cytoplasmic signaling proteins. All MAGUKs contain a PDZ-SH3-GUK core and are divided into 4 subfamilies, DLG-like (see DLG1; MIM 601014), ZO1-like (see TJP1; MIM 601009), p55-like (see MPP1; MIM 305360), and LIN2-like (see CASK; MIM 300172), based on their size and the presence of additional domains (Tseng et al., 2001 [PubMed 11311936]). MPP5 is a member of the p55-like MAGUK subfamily.[supplied by OMIM
Molecular Mass	103.7 kDa
AA Sequence	MTTSHMNGHVTEESDSEVKNVDLASPEEHQKHREMAVDCPGDLGTRMMPIRRSA QLERIRQQQEDMRRRREEEGKKQELDLNSSMRLKKLAQIPPKTGIDNPMFDTEEGIV LESPHYAVKILEIEDLFSSLKHIQHTLVDSQSQEDISLLLQLVQNKDFQNAFKIHNAITV HMNKASPPFPLISNAQDLAQEVQTVLKPVHHKEGQELTALLNTPHIQALLLAHDKVA EQEMQLEPITDERVYESIGQYGGGETVKIVRIEKARDIPLGATVRNEMDSVIISRIVKGG

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AAEKSGLLHEGDEVLEINGIEIRGKDVNEVFDLLSDMHGTLTFVLIPSQQIKPPPAKET
 VIHVKAHFDYDPSDDPYVPCRELGLSFQKGDILHVISQEDPNWWQAYREGDEDNQP
 LAGLVPGKSFQQQREAMKQTIEEDKEPEKSGKLWCAKKNNKKRKKVLYNANKNDD
 YDNEEILTYEEMSLYHQPANRKRPIILIGPQNCGQNELRQRLMNKEKDRFASAVPHT
 TRSRRDQEVAGRDIYHFVSRQAFEADIAAGKFIEHGEFEKNLYGTSIDSVRQVINSKI
 CLLSLRTQSLKTLRNSDLKPYIIFIAPPSQERLRALLAKEGKNPKPEELREIIEKTREME
 QNNGHYFDTAIVNSDLKAYQELLRLINKLDTEPQWVPSTWLR

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

MPP5 membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5) [Homo sapiens]

Official Symbol

MPP5

Synonyms

MPP5; membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5);
 MAGUK p55 subfamily member 5; FLJ12615; PALS1; stardust; protein associated
 with lin seven 1;

Gene ID

64398

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mRNA Refseq	NM_001256550
Protein Refseq	NP_001243479
MIM	606958
UniProt ID	Q8N3R9

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