

# Recombinant Full Length Human MPP5 Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human MPP5 full-length ORF ( NP_071919.2, 1 a.a. - 675 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	675 amino acids
<b>Description</b>	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
<b>Molecular Mass</b>	103.7 kDa
<b>AA Sequence</b>	MTTSHMNGHVTEESDSEVKNVDLASPEEHQKHREMAVDCPGDLGTRMMPIRRSA QLERIRQQQEDMRRRREEEGKKQELDLNSSMRLKLAQIPPKTGIDNPMFDTEEGIV LESPHYAVKILEIEDLFSSLKHIQHTLVDSQSQEDISLLLQLVQNKDFQNAFKIHNAITV HMNKASPPFPLISNAQDLAQEVQTVLKPVHHKEGQELTALLNTPHIQALLLAHDKVA EQEMQLEPITDERVYESIGQYGGGETVKIVRIEKARDIPLGATVRNEMDSVVISRIVKGG

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA

AAEKSGLLHEGDEVLEINGIEIRGKDVNEVFDLLSDMHGTLTFVLIPSQQIKPPPAKET  
 VIHVKAHFDYDPSDDPYVPCRELGLSFQKGDILHVISQEDPNWWQAYREGDEDNQP  
 LAGLVPGKSFQQQREAMKQTIEEDKEPEKSGKLWCAKKNKKRKKVLYNANKNDD  
 YDNEEILTYEEMSLYHQPANRKRPIILIGPQNCGQNELRQRLMNKEKDRFASAVPHT  
 TRSRRDQEVAGRDYHFVSRQAFEADIAAGKFIEHGEFEKNLYGTSIDSVRQVINSKI  
 CLLSLRTQSLKTLRNSDLKPYIIFIAPPSQERLRALLAKEGKNPKPEELREIIEKTREME  
 QNNGHYFDTAIVNSDLKAYQELLRLINKLDTEPQWVPSTWLR

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	MPP5 membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5) [ Homo sapiens ]
<b>Official Symbol</b>	MPP5
<b>Synonyms</b>	MPP5; membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5); MAGUK p55 subfamily member 5; FLJ12615; PALS1; stardust; protein associated with lin seven 1;
<b>Gene ID</b>	64398

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mRNA Refseq	NM_001256550
Protein Refseq	NP_001243479
MIM	606958
UniProt ID	Q8N3R9

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