

Product datasheet for **TP324752**

MPP5 (NM_022474) Human Recombinant Protein

Product data:

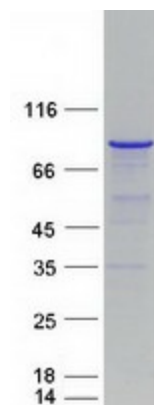
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5) (MPP5), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC224752 protein sequence Red =Cloning site Green =Tags(s)
	<p>MTTSHMNGHVTEESDSEVKNVDLASPEEHQKHREMAVDCPGDLGTRMMPIRRSAQLERIRQQQEDMRRRR EEEGKKQELDLNSSMRLKLAQIPPKTGIDNPMFDTEEGIVLESPHYAVKILEIEDLFSSLKHIQHTLVD SQSQEDISLLLQVQNKDFQNAFKIHNAITVHMNKASPPFLISNAQDLAQEVQTVLKPVHHKEGQELTA LLNTPHIQALLAHDKVAEQEMQLEPITDERVYESIGQYGGETVKIVRIEKARDIPLGATVRNEMDSVII SRIVKGGAAEKSGLLHEGDEVLEINGIEIRGKDVNEVFDLLSDMHGTLTFVLIPSQQIKPPPAKETVIHV KAHFDYDPSDDPYVPCRELGLSFQKGDILHVISQEDPNWWQAYREGDEDNQPLAGLVPGKSFQQREAMK QTIEEDKEPEKSGKLWCAKKNKKRKKVLYNANKNDDYDNEEILTYEEMSLYHQPANRKRPIILIGPQNC GQNELRQRLMNKEKDRFASAVPHTRSRRDQEVAGRDYHFVSRQAFEADIAAGKFIEHGEFEKNLYGTSI DSVRQVINSKICLLSLRTQSLKTLRNSDLKPYIIFIAPPSQERLRALLAKEGKNPKPEELREIIEKTRE MEQNNGHYFDTAIVNSDLKAYQELLRLINKLDTEPQWVPSTWLR</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	77.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_071919</u>
Locus ID:	64398
UniProt ID:	<u>Q8N3R9, Q658X5</u>
RefSeq Size:	5608
Cytogenetics:	14q23.3
RefSeq ORF:	2025
Synonyms:	PALS1
Summary:	This gene encodes a member of the p55-like subfamily of the membrane-associated guanylate kinase (MAGUK) gene superfamily. The encoded protein participates in the polarization of differentiating cells, has been shown to regulate myelinating Schwann cells (PMID: 20237282), and is one of the components of the Crumbs complex in the retina. Mice which express lower levels of the orthologous protein have retinal degeneration and impaired vision (PMID: 22114289). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2012]
Protein Families:	Druggable Genome
Protein Pathways:	Tight junction

Product images:



Coomassie blue staining of purified MPP5 protein (Cat# TP324752). The protein was produced from HEK293T cells transfected with MPP5 cDNA clone (Cat# [RC224752]) using MegaTran 2.0 (Cat# [TT210002]).