

## Recombinant Human MPP5 protein, His & T7-tagged

Cat. No. MPP5-833H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human MPP5 aa. (Asn455~Arg675 (Accession # Q8N3R9)) fused with N-terminal His & T7 tag was produced in E. coli cells.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Asn455~Arg675
<b>Description</b>	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.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 29.6kDa
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	>95%

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<b>Characteristic</b>	The isoelectric point is 7.2.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

<b>Gene Name</b>	MPP5 membrane palmitoylated protein 5 [ Homo sapiens (human) ]
<b>Official Symbol</b>	MPP5
<b>Synonyms</b>	PALS1; membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5); protein associated with Lin-7 1; protein associated with lin seven 1; stardust; MAGUK p55 subfamily member 5
<b>Gene ID</b>	64398
<b>mRNA Refseq</b>	NM_001256550.1
<b>Protein Refseq</b>	NP_001243479.1

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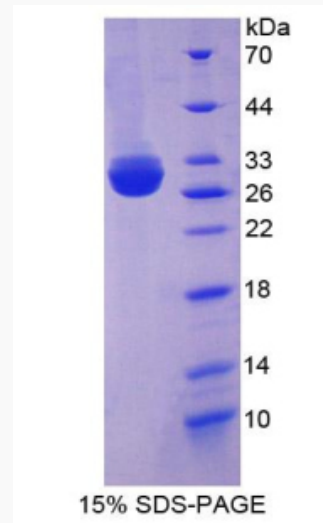
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UniProt ID

Q8N3R9

SDS-PAGE



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