

Product datasheet for **SC332417**

MPP5 (NM_001256550) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: MPP5 (NM_001256550) Human Untagged Clone
Tag: Tag Free
Symbol: MPP5
Synonyms: PALS1
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332417 representing NM_001256550.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCTGTTGACTGCCCTGGAGATTTGGGCACCAGGATGATGCCAATACGTCGAAGTGCACAGTTGGAG
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CAGAACAATGGCCACTACTTTGATACGGCAATTGTGAATTCGGATCTTGATAAAGCCTATCAGGAATTG
CTTAGGTTAATTAACAACTTGATACTGAACCTCAGTGGTACCATCCACTTGGCTGAGGTGA
  
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001256550
Insert Size:	1926 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001256550.1
RefSeq Size:	5376 bp
RefSeq ORF:	1926 bp
Locus ID:	64398
UniProt ID:	Q8N3R9
Cytogenetics:	14q23.3
Protein Families:	Druggable Genome
Protein Pathways:	Tight junction
MW:	73.4 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site, lacks a portion of the 5' coding region and initiates translation at a downstream start codon compared to variant 1. The resulting protein (isoform 2) has a shorter N-terminus compared to isoform 1.</p> <p>Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>