

## Product datasheet for **TP301754L**

### **MPP1 (NM\_002436) Human Recombinant Protein**

#### **Product data:**

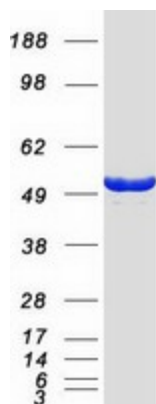
<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human membrane protein, palmitoylated 1, 55kDa (MPP1), 1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC201754 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MTLKASEGESGGSMHTALSDLYLEHLLQKRSRPEAVSHPLNTVTEDMYTNGSPAPGSPAQVKGQEVKVR</p> <p>R</p> <p>LIQFEKVTEEPMGITLKLNEKQSCTVARILHGGMIHRQGSLHVGDEILEINGTNVTNHSVDQLQKAMKET</p> <p>KGMISLKVIPNQQSRLPALQMFMRQFDYDPKKDNLIPCKEAGLK FATGDIIQINKDDSNWWQGRVEG</p> <p>S</p> <p>SKESAGLIPSELQEWVRVASMAQSAPSEAPSCSPFGKKKKYKDKYLAKHSSIFDQLDVSYYEEVRLPAF</p> <p>KRKTLLVIGASGVGRSHIKNALLSQNPEKFVYPVPYTRPPRKSEEDGKEYHFISTEEMTRNISANEFLE</p> <p>FGSYQGNMFGTKFETVHQIHKQNKIAILDIEPQTLKIVRTAELSPFIVFIAPTDQGTQTEALQQLQKDSE</p> <p>AIRSQYAHYFDLSLVNNGVDETLKKLQEAFDQACSSPQWVPVSWVY</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	52.1 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_002427</a>
<b>Locus ID:</b>	4354
<b>UniProt ID:</b>	<a href="#">Q00013</a>
<b>RefSeq Size:</b>	2067
<b>Cytogenetics:</b>	Xq28
<b>RefSeq ORF:</b>	1398
<b>Synonyms:</b>	AAG12; DXS552E; EMP55; MRG1; PEMP
<b>Summary:</b>	This gene encodes the prototype of the membrane-associated guanylate kinase (MAGUK) family proteins. MAGUKs interact with the cytoskeleton and regulate cell proliferation, signaling pathways, and intercellular junctions. The encoded protein is an extensively palmitoylated membrane phosphoprotein containing a PDZ domain, a Src homology 3 (SH3) motif, and a guanylate kinase domain. This gene product interacts with various cytoskeletal proteins and cell junctional proteins in different tissue and cell types, and may be involved in the regulation of cell shape, hair cell development, neural patterning of the retina, and apico-basal polarity and tumor suppression pathways in non-erythroid cells. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2009]
<b>Protein Families:</b>	Druggable Genome

## Product images:



Coomassie blue staining of purified MPP1 protein (Cat# [TP301754]). The protein was produced from HEK293T cells transfected with MPP1 cDNA clone (Cat# [RC201754]) using MegaTran 2.0 (Cat# [TT210002]).