

## Product datasheet for TP301754M

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

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human membrane protein, palmitoylated 1, 55kDa (MPP1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201754 protein sequence Red=Cloning site Green=Tags(s)

MTLKASEGESGGSMHTALSDLYLEHLLQKRSRPEAVSHPLNVTEDMYTNGSPAPGSPAQVKGQEVKVR  
LIQFEKVTEPMGITLKLNEKQSCTVARILHGGMIHRQGSLHVGDEILEINGTNTNHSVDQLQKAMKET  
KGMISLKVIPNQSRPALQMFMRQFDYDPKKNLIPCKEAGLKGFATGDIIQIINKDDSNWWQGRVEGS  
SKESAGLIPSPQLQEWVRSMAQSAPEAPSCSPFGKCKKYLAKHSSIFDQLDVVSYEEVRLPAF  
KRKTLVLIGASGVGRSHIKNALLSQNPEKVVYPVYTRPPRKSEEDGKEYHFISTEEMTRNISANEFLE  
FGSYQGNMFGTKFETVHQIHKQNKIAILDIEPQTLKIVRTAELSPFIVFIAPTDQGTQTEALQQLQKDSE  
AIRSQYAHYFDLSLVNNGVDETLKKLQEAQFDQACSSPQWVPSWVY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	52.1 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.
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:	<a href="#">NP_002427</a>



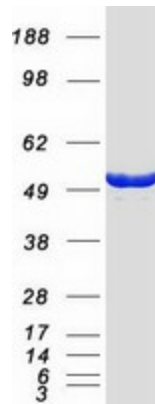
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Locus ID: 4354  
UniProt ID: [Q00013](#)  
RefSeq Size: 2067  
Cytogenetics: Xq28  
RefSeq ORF: 1398  
Synonyms: AAG12; DXS552E; EMP55; MRG1; PEMP

**Summary:** 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]

**Protein Families:** 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]).