

Product datasheet for RC230095L4V

MPP1 (NM_001166461) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Symbol: MPP1

Synonyms: AAG12; DXS552E; EMP55; MRG1; PEMP

Mammalian Cell: Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

Tag: mGFP

ACCN: NM_001166461

ORF Size: 1338 bp

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as (RC230095).

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

RefSeq: [NM_001166461.1](#)

RefSeq ORF: 1341 bp

Locus ID: 4354

UniProt ID: [Q00013](#)

Cytogenetics: Xq28

Protein Families: Druggable Genome



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This product is to be used for laboratory only. Not for diagnostic or therapeutic use.

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MW: 50.3 kDa

Gene 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]