

Recombinant Human MPP3, His-tagged

Cat. No. MPP3-30040TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 174-585 of Human MPP3 with an N terminal His tag; Predicted MWt 58 kDa.
Species	Human
Source	E.coli
ProteinLength	174-585 a.a.
Description	This gene product is a member of a family of membrane-associated proteins termed MAGUKs (membrane-associated guanylate kinase homologs). MAGUKs interact with the cytoskeleton and regulate cell proliferation, signaling pathways, and intracellular junctions. This protein contains a conserved sequence, called the SH3 (src homology 3) motif, found in several other proteins that associate with the cytoskeleton and are suspected to play important roles in signal transduction. Alternatively spliced transcript variants have been identified. One transcript variant is experimentally supported, but it doesn't encode a protein.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 157 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	SGLVHVGDELREVNGIAVLHKRPDEISQILAQSQGSITLK IIPATQEEDRLKESKVFMRALFHYNPREDRAIPCQEAG LPFQRRQVLEVVSQDDPTWWQAKRVGDTNLRAGLI PSK GFQERRLSYRRAAGTLPSPQSLRKPPYDQPCDKETCDC EGYLKGHYVAGLR RSFRLGCRERLGGSQEGKMSSGAESPE LLTYEEVARYQHQPGERPRLVVLIGSLG ARLHELKQKV VAENPQHFGVAVPHTTRPRKSHEKEGVEYHFVSKQAFE ADLHHNK FLEHGEYKENLYGTSLEAIQAVMAKNKVCLV DVEPEALKQLRTSEFKPYIIFVKPAIQ EKRKTPPMSPA CEDTAAPFDEQQQEMAASAAFIDRHYGHLVDAVLVKEDLQ GAYS QLKVVLEKLSK DTHWVPVSWVR
Sequence Similarities	Belongs to the MAGUK family.Contains 1 guanylate kinase-like domain.Contains 2 L27 domains.Contains 1 PDZ (DHR) domain.Contains 1 SH3 domain.

GENE INFORMATION

Gene Name	MPP3 membrane protein, palmitoylated 3 (MAGUK p55 subfamily member 3) [Homo sapiens]
Official Symbol	MPP3
Synonyms	MPP3; membrane protein, palmitoylated 3 (MAGUK p55 subfamily member 3); DLG3; MAGUK p55 subfamily member 3; discs; large (Drosophila) homolog 3; membrane protein palmitoylated 3;
Gene ID	4356
mRNA Refseq	NM_001932
Protein Refseq	NP_001923

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MIM	601114
Uniprot ID	Q13368
Chromosome Location	17q12-q21
Function	PDZ domain binding; guanylate kinase activity;

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