

Recombinant Human MPP1 protein, GST-tagged

Cat. No. MPP1-6114H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MPP1 protein(100-466 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	100-466 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	LHGGMIHRQGSLHVGDEILEINGTNVTNHSVDQLQKAMKETKGMISLKVIPNQQSRL PALQMFMRQFDYDPKKDNLIPCKEAGLK FATGDIIQIINKDDSNWWQGRVEGSSKE SAGLIPSELPQEWVASMASAPSEAPSCSPFGKKKKYKDKYLAKHSSIFDQLDVVS YEEVVRLPAFKRKTLLVIGASGVGRSHIKNALLSQNPEKFVYPVPYTTTRPPRKSEED GKEYHFISTEEMTRNISANEFLEFGSYQGNMFGTKFETVHQIHKQNKIAILDIEPQTLK IVRTAELSPFIVFIAPTDQGTQTEALQQLQKDSEAIRSQYAHYFDLSLVNNGVDETLK KLQEAFDQACSSPQWVPVSWVY
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.

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Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.
GENE INFORMATION	
Gene Name	MPP1 membrane protein, palmitoylated 1, 55kDa [Homo sapiens]
Official Symbol	MPP1
Synonyms	MPP1; membrane protein, palmitoylated 1, 55kDa; DXS552E, membrane protein, palmitoylated 1 (55kD); 55 kDa erythrocyte membrane protein; PEMP; p55; aging-associated gene 12; migration-related gene 1; erythrocyte membrane protein p55; palmitoylated erythrocyte membrane protein; MRG1; AAG12; EMP55; DXS552E;
Gene ID	4354
mRNA Refseq	NM_001166460
Protein Refseq	NP_001159932
MIM	305360
UniProt ID	Q00013

SDS-PAGE

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