

Recombinant Human PTPMT1, His-tagged

Cat. No. PTPMT1-31117TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human PTPMT1 with N terminal His tag; 199 amino acids with tag, Predicted MWt 22.6 kDa.
Species	Human
Source	E.coli
ProteinLength	174 amino acids
Description	This protein phosphatase specifically mediates the dephosphorylation of mitochondrial proteins and consequently plays a central role in ATP production.
Conjugation	HIS
Molecular Weight	22.600kDa inclusive of tags
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	pH: 8.00 Constituents: 0.32% Tris HCl, 10% Glycerol, 0.02% DTT, 0.88% Sodium chloride
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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Sequences of amino acids	MGSSHHHHHSSGLVPRGSHMGSHMKVPGRAHRDWDYHRID PTVLLGALPLRSLT RQLVQDENVRGVITMNEEYETRFLCN SSQEWKRLGVEQLRLSTVDMTGIPITLDNLQ KGVQFALKYQ SLGQCVYVHCKAGRSRSATMVAAYLIQVHKWSPEEAVRAI AKIRSY IHIRPGQLDVLKEFHKQITARATKDGTFVISKT
Sequence Similarities	Belongs to the protein-tyrosine phosphatase family. Non-receptor class dual specificity subfamily. Contains 1 tyrosine-protein phosphatase domain.
GENE INFORMATION	
Gene Name	PTPMT1 protein tyrosine phosphatase, mitochondrial 1 [Homo sapiens]
Official Symbol	PTPMT1
Synonyms	PTPMT1; protein tyrosine phosphatase, mitochondrial 1; protein-tyrosine phosphatase mitochondrial 1; DUSP23; MOSP; PLIP;
Gene ID	114971
mRNA Refseq	NM_001143984
Protein Refseq	NP_001137456
MIM	609538
Uniprot ID	Q8WUK0
Chromosome Location	11p11.2
Pathway	3-phosphoinositide degradation, conserved biosystem;

Function

hydrolase activity; phosphatidylinositol-4,5-bisphosphate 5-phosphatase activity; protein tyrosine phosphatase activity; protein tyrosine/serine/threonine phosphatase activity;

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