

Product datasheet for **SC216750**

PTPMT1 (NM_175732) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PTPMT1 (NM_175732) Human 3' UTR Clone
Symbol:	PTPMT1
Synonyms:	DUSP23; MOSP; PLIP; PNAS-129
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_175732
Insert Size:	1862 bp



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Insert Sequence: >SC216750 3'UTR clone of NM_175732
 The sequence shown below is from the reference sequence of NM_175732. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GATGGGACTTTTGTCAATTTCAAAGACATGATGTATGGGGATTAGAAAGAAGTCAAGACACTCCTGCTTG
ATACAGAACAAAAAGAGCTTAAACAGGACCAACAGGGCTTAAGCCAGACTTGACGTAACAGAAATGTGC
CAATAGGTAATAGGTAATTTTTCTTCTGACTTGTTTTGTTTTCTTGAATAACACTGTTGTGTGGC
TAGAAAGGAAAAGATTTAGTGTGGCTTGATTCATGGGATACAGGACAGGGATGGGGCTATCATCTTTT
CTTGAATAGGGCTAAAGAAGTATTTTAAACAAAAATCTATTATGTACCTAATATTGTGCTAATAATATT
TAGCACCACAACCAAAAAACATTTAGCACTTGAAAAAAGGAGACTCACCTCTGGCTCTTGGCCACTGT
CAGAATCTGAATCTCACTGGCCCTGTGGAGTAGGGATCCTATCTGGAGAAGTGGGAGCATGGGCTGCAG
TCAGGACTGCTGCAGACTGAGCCATGTGATGGTACGTAATGAGTCCCCTGAGGGAAATGAAACACCCCTC
ACCCCTTCAAAGTCACCCCTTTGGAATCAACACAGACACACATATCCCTTCAAAAACTTTTATTGTGA
TCAACAGTTCCCTAGCTCTTGACTTAGCTTAGAGCTTTTAAAAGAGCAGACACCTTATATATTTGAGATT
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CTCTTAACACCTAATTCTTTGTGGAAAAATGATCAACTAGCCATTTACAGGCTATAGAACAAAAGTAC
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GAGGCTGTGCCTAAGGTCTGAGAAAAGGCTTGCTCTAAGCAAGCTGTGGTGAAGCAGGATGACTAGG
GAATGGCAGAGAACAGGCTGGCCTACTGTCAAGTCAAGCAACCAGCTGAGCAGCAGCAGTCTAAAAAGC
CCCAAACAGAACACCTCCATGGATTGAGGAAAGGCTGAGGCACTGCCTTTCTAGTATGTGCCAAAAAAA
AACATAACTCTGAATTGGGGCCAGGGGACTTTGAGTTTGTATGGGGAGGGAAAAGGAGTGAAGCAGTTC
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TGACAGTTACGGCTGAAGTGGCAGGGTCAAGCTTGTAGGTGTTGGCATCCCCCTTTTATATCGGTCCC
GGAAGACATAGATGCTCCGTTACAGCTGGCAATCTCCAGAGGGATGGGGCAGAGCTCCAGGCCTCAG
GAAGGCAAAGCCGGTGAAGCTGTCTAGCAAGGGATTGTAGCACACCAGGGAGTCCCCTTCAGCCACGA
TGAACACCAGATCTTTATGCACAGCTGCGTGCATGCGGCCTGCAAAGGGCAGCACATAGGGCTTCACAT
GGCATTGTCTGTCTCTGTGTCAAAGCACTGGATGAGTCGGGAAGGTTTGGTAAAGAAGTCCAGATCAT
TCTCTCCCCCCTAGTAAGTAGATGATCCCGTTGAGGTTGGCACCAGCAGCCCTGACACAGCCACCT
CTAGCTGAGTTGTCTCTGTCCACACATTATCACCTACGCGATAATAAATGACTGCGTTGGAGAGGGTA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: Sgfl-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_175732.3](#)

Summary:

Lipid phosphatase which dephosphorylates phosphatidylglycerophosphate (PGP) to phosphatidylglycerol (PG) (By similarity). PGP is an essential intermediate in the biosynthetic pathway of cardiolipin, a mitochondrial-specific phospholipid regulating the membrane integrity and activities of the organelle (By similarity). Has also been shown to display phosphatase activity toward phosphoprotein substrates, specifically mediates dephosphorylation of mitochondrial proteins, thereby playing an essential role in ATP production (By similarity). Has probably a preference for proteins phosphorylated on Ser and/or Thr residues compared to proteins phosphorylated on Tyr residues (By similarity). Probably involved in regulation of insulin secretion in pancreatic beta cells (By similarity). May prevent intrinsic apoptosis, probably by regulating mitochondrial membrane integrity (PubMed:24709986).[UniProtKB/Swiss-Prot Function]

Locus ID:

114971

MW:

69.5