

## Product datasheet for **SC217031**

### PTPMT1 (NM\_001143984) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	PTPMT1 (NM_001143984) Human 3' UTR Clone
Symbol:	PTPMT1
Synonyms:	DUSP23; MOSP; PLIP; PNAS-129
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001143984
Insert Size:	1929 bp



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**Insert Sequence:** >SC217031 3'UTR clone of NM\_001143984  
The sequence shown below is from the reference sequence of NM\_001143984. 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
CATCAGGCCTGGCCAGCTGGATGTTCTAAAGAGTTCCACAAGCAGATTACTGCACGGGCAACAAAGGA
TGGGACTTTTGTCAATTCAAAGACATGATGTATGGGGATTAGAAAAGAACTCAAGACACTCCTGCTTGAT
ACAGAACAAAAAGAGCTTAACAGGACCAACAGGGCTTAAGCCCAGACTTGACGTAACAGAAATGTGCCA
ATAGGTAATAGGTAATTTTTCTTCTGACTTGTGTTTTGTTTTCTTGAAATAACACTGTTGTGTGGCTA
GAAAGGAAAAGATTTAGTGTGGCTTGATTCATGGGATACAGGACAGGGATGGGGCTATCATCTTTTCT
TGAATAGGGCTAAAGAAGTATTTAAACAAAATCTATTATGTACCTAATATTGTGCCTAATAATATTTA
GCACCACAACCAAAAAACATTTAGCACTTGAAAAAGGAGACTCACCTCTGGCTCTTGCCACTGTCA
GAATCTGAATCTCACTGGCCTGTGGAGTAGGGATCCTATCTGGAGAAGTGGGAGCATGGGCTGCAGTC
AGGACTGTGCAGACTGAGCCATGTGATGGTACGTAATGAGTTCCCTGAGGGAATGAAACACCCTCAC
CCCTTCAAAGTCAACCCTTTGGAATTAACACAGACACACATATCCCTTCAAAAACCTTTATTTGTATC
AACAGTTCCTAGCTCTTGACTTAGCTTAGAGCTTTTAAAAGAGCAGACACCTTATATATTTGAGATTGA
AAAAGTTTCTGCTATTAATCAGAAATAATCATTCTATTTTCTGGCTTACCCCTTGAATAAGCCAAAA
ATAAAACCAAAGTTACATTTCTGACAGATGGATAAGAAAAACAATAGAAGGAACATCCTGAATTCTAGA
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CTTAACACCTAATTTCTTGTGGAAAAATGATCAACTAGCCATTTACAGGCTATAGAACAAAAGTACAA
TTGGGCATCTTTCTTATGTCCTGGGATCAGGGTGCTTACATTTAACATTGATCAGGTAAGAGGGAGA
GGCTGTGCCTAAGGTCTGAGAAAAGGCTTGCTCTAAGCAAGCTGTGGTGAGGCACAGGATGACTAGGGA
ATGGCAGAGAACAGGCTGGCCTACTGTCAGTTC AAGCAACCAGCTGAGCAGCAGCAGTCTAAAAAGCCC
CAAACAGAACACCTCCATGGATT CAGGGAAGGGCTGAGGCACTGCCTTTCTAGTATGTGCCAAAAAAA
CATAACTCTGAATTGGGGCCAGGGACTTTGAGTTTGTATGGGGAGGAAAAGGAGTGAGCAGTTCTC
CTCCCCTCCACAGCCTTAGGCCAACACAACTGCAAATTTGGTAAGCAGCACCTTAATACCTCTTG TG
ACAGTTACGGCTGAAGTGGCAGGGTCAAGCTTGTAGGTGTTGGCATCCCCCTTTTATATCGGTCCCGG
AAGACATAGATGCTCCCCTTACAGCTGGCAATCTTCCAGAGGGATGGGGCAGAGCTCCAGGCCTCAGGA
AGGCAAAGCCGGTGAAGCTGTCTAGCAAGGGATTGTAGCACACCAGGGAGTCCCCTT CAGCCACGATG
AACACCAGATCTTTATGCACAGCTGCGTGATGCGGCCTGCAAAGGGCAGCACATAGGGCTTCACATGG
CATTTGTCTGTCTCTGTGTC AAGCAACTGGATGAGTCGGGAAGGTTTGGTAAAGAAGTCCAGATCATTC
TCTCCCCCCTAGTAAGTAGATGATCCCCTTGAGGTTGGCACCAGCAGCCCCTGACACAGCCACCTCT
AGCTGAGTTGTCTCTGTCCACACATTATCACCTACGCGATAATAAATGACTGCGTTGGAGAGGGTA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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**Restriction Sites:** SgfI-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\\_001143984.2](#)

**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:**

72.1