

Product datasheet for **SC209636**

PIMT (TGS1) (NM_024831) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PIMT (TGS1) (NM_024831) Human 3' UTR Clone
Symbol:	PIMT
Synonyms:	NCOA6IP; PIMT; PIPMT
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_024831
Insert Size:	1772 bp



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Insert Sequence: >SC209636 3'UTR clone of NM_024831
 The sequence shown below is from the reference sequence of NM_024831. 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
CTAATTCGAAGACCAGCCTCTGAAACCTAACTATGCAGCAGTGCAGGACAAAAGATCATGGAGTGGTC
AAAATATTCAGATGAGACATTTGGCATGTCTTCTTTATTCACTGATATTTTCTACCCATGGTCTTATA
TCACCGTATGAAATGAAACTTACAGGACTTAAATATCAGTGAAATATTTTGGAGATCTTTGAATAATTC
CTTTAGAGGAATTATACAAAATTAATATATAGTGCCTTTGTAATTTATTTTTTTTGGAGACAGGATC
TCACTTTTACGCCAGGCTGGAGTGCAGTGCCATGATCACAGCTCACTGCAGGTTACAGCCTTCTGAGT
TCAAGCAATCCTTCTGTCTCAGTCTCCTCAGTAGCTGGGGCTTTAGGTGGGCACTGCCACACCGTACTA
ATTTTTGTATTTTTGTAGAGACGAGGTCCACCATGTTGCCAGGCTGGTGTCAAACCTCTGGGCTCA
GTCAGTCCCCCATCTCACCTCCCAAGTGTGGAATTACAGGGCTGAGCTACTGTGCCAGCCTTAC
GGACATCCTTTTGAATTATCTTTTCACTCATAGAATATGAATACATTTATTTAGACTTTTTCTAGAAC
TTTCTGTTTTTCAATGTCTTTGCTTCATCTGGAATTGGCTTAACACCTTTTATAAAGTTTGTGTTGTA
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GGCAATGAAAGCAAGAGGGATATGTGTTGCTTAATTTATTCATCTAAAAAGTTTGTTCAGTCATTTTTAC
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AAATTTGGGGAATTTCCAATAAACTAGAAAAATTAGACTAGAAAAATAGCTGTTATATAAACTTTT
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ACTGAGCTGATCAATAAAGGTGAAATTACTTTTTTCAATTAATTCGCAATTTCAAATCTGTCCAAATGTT
CTTGGTTTTTAACTTTATGTAGCATTCTTTTTTTTTTTTTTGTAGCAGAGTCTTGCTCTGTGCGCCAGG
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GGACTACAGGCACCTGCCACCACATCCAGCTAATTTTTTATTTTTTAGTAGCTATGGGGTTTCCACCGT
GTTAGCCAGGATGGTCTCGATCTCCTGACCTTGATCCAACCACCTCAGCCTCCCGTAGTTCTGGGAT
TACAGGCGTGAGCCACCGCGCTGGCTTTATGTAGCATTCTTAAAGTCACTAGGGAGATGGCAGGTGAA
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TCTTTCCACAGCTCATTTTCTTACTTGTATATTAATAAGCTAACTCATCTTCTGAATATACATGATT
TTACATGAGAAGAGCAGGAAGCTTAGGCTTGGTTAGCTAAAAGTAAAGATATTGCTGCCCACTAATCACA
CAGGGATAAAACTAATAGACTGTTAAGATTGTCAGTACTCAATAGGA
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGCAGCCCAACCTGCCATCA
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_024831.8](#)

Summary: Catalyzes the 2 serial methylation steps for the conversion of the 7-monomethylguanosine (m(7)G) caps of snRNAs and snoRNAs to a 2,2,7-trimethylguanosine (m(2,2,7)G) cap structure. The enzyme is specific for guanine, and N7 methylation must precede N2 methylation. Hypermethylation of the m7G cap of U snRNAs leads to their concentration in nuclear foci, their colocalization with coilin and the formation of canonical Cajal bodies (CBs). Plays a role in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Locus ID: 96764

MW: 67.6