

Product datasheet for **SC118392**

PTMS (NM_002824) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PTMS (NM_002824) Human Untagged Clone
Tag:	Tag Free
Symbol:	PTMS
Synonyms:	ParaT
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118392 sequence for NM_002824 edited (data generated by NextGen Sequencing) ATGTCGGAGAAAAGCGTGGAGGCAGCGCCGAGTTGAGCGCCAAGGACCTGAAGGAGAAG AAGGAGAAGGTGGAGGAGAAGGCAAGCCGAAAGAGCGAAAGAAAGAAGTGGTGGAGGAG GAGGAGAACGGGGCTGAGGAGGAAGAAGAAGAACTGCCGAGGATGGAGAGGAGGAAGAT GAAGGGGAAGAAGAAGATGAGGAAGAAGAAGAAGAGGATGATGAAGGGCCCGCGCTGAAG AGAGCTGCCGAAGAGGAGGATGAAGCGGATCCCAAACGGCAGAAGACAGAAAATGGGGCA TCGGCGTGA Clone variation with respect to NM_002824.4



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_002824 unedited</p> <pre>TGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCGGCGAGCCCGGGATC GAGCTACCGCGGCCGAGCGCGCCGGCCACCGCCTGCACCGCCCTTCCGCCCGCCCTCCGG ACGGCCGAGCCCTGCGGGTCTCCGCTCCAGACCCACCCCGCCCAACCCCGCGCCCTC TGCCGCTCTTCCAGAGACCCAGCTTCCGAGCGGCCGCCGCTGCCGCTGTGCCGCCGC CGCCGCCACCCGCCAGTTCCGGCCCGGCCACCTCCGCCGTCACAGGGCCCTCCGTC TCGGCCCGGGACCCCGCTCCCGCCAGCCCGGCCCGCCCGGCCCGGCCACCATGTCCGGAG AAAAGCGTGGAGGACGCGCCGAGTTGAGCGCCAAGGACCTGAAGGAGAAGAAGGAGAAG GTGGAGGAGAAGCAAGCCGAAAGAGCGAAAGAAAGAAGTGGTGGAGGAGGAGAAGCA GGGGCTGAGGAGGAAGAAGAAGAACTGCCGAGGATGGAGAGGAGGAAGATGAAGGGAA GAAGAAGATGAGGAAGAAGAAGAGGATGATGAAGGGCCCGCTGAAGAGAGCTGCC GAAGAGGAGGATGAAGCGGATCCCAAACGGCAGAAAGACAGAAAATGGGGCATCGGCGTGA GCCCTGCCAACAGGCTGGGGTTGGGAGCCTCTCTGGGCCTGGAGGTGGGGTGGGGG AGNCCAAGTCAGCCACTTTCACCTGGCTCCCTGCTCTGGGCCCTGCACCAGAGTGCCA CCCTCTTCTTTTCCCGCCTTCTCATTTCGGCCTTCCAGAACTGCGCCCTCCACCCT CACTCTGCCATTGTCCACCTNCTGACCTGCTNCATCTGAGCTCCAAGTTGGCCCCCTC TCACTCTGGCATTGGTACACCTNCCGACCTGTNCATCTGGACTTCCAGCTGGG</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_002824 unedited</p> <pre>ACCGCGGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTAAAAACAGAAGCGCA CCATTTCTTTATTAATTAACAATAAGGAGGGAGGGGAGGGGGCAGCTGTGGGGCTCGGCC CCAACCCCGCCCAACCCCGCCTGGCGCTGTCTGAGAAGAGGGGATCTGAGGGAGATCC AGGGATCAGGCAGGATAGGGATGGGGCAGGACATGAGGCTGGGGGATGCAGAGGTTAGGT GGGAGAGGCTACCGAGGAAGAATGAGGCTGGTGGGGAGGGAGAAAGAGAGCAAGAGA GAGAGGAGCAATTGGGGCCAGCTGGAGAGCTCAGATGGAGCAGGCCAGGAGGTGGAACA ATGGCAGAGTGAGGGAGGGGGCAGCTGTGGGAGCTCATATGGAGCAGGTGAGGAGGTGG AACAAATGGCACAGTGAGGGTGGAGGGCGCATTGTCTGGAGAGGCGGAAATGACAAGGCTG GGGAGAAAAGAAGAGGGTGGCAGCTCTGGTGCAGGGCCAAAACAGGGAGCCCGGTGAAGA TGTGGTCTGCGGCCACACCACTATCCTTTTTATTGCTTAATAAGACAGGCTACCTATAA TAATCCGTCCTACTCCCGCCATCCGCAGTAGNCATACACTGTCCGCGCCCTTCTCCCGCC CCCCACTCATTGATCTTCCCCTTTTCCCCTCGTCCCTCTTCCACGTCCCTCTCTGCCCT TCCCGCCACATCCTCTCCCGCCTCTACACCTCGCACACACCCTCCTCTCCCATCTC CCCATGCATCTTCGCCCCCTGTCGTCTACGCACGCTCTACCGCCGTTTCTTCTCCTCCC TACAATTTCCAATCCGTCGAGTTGCATTACTCTCTCCCTTCTCCCTCCC</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_002824
Insert Size:	1050 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_002824.4](#), [NP_002815.3](#)

RefSeq Size: 1150 bp

RefSeq ORF: 309 bp

Locus ID: 5763

UniProt ID: [P20962](#)

Cytogenetics: 12p13.31

Domains: Prothymosin

Gene Summary: Parathymosin may mediate immune function by blocking the effect of prothymosin alpha which confers resistance to certain opportunistic infections.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) uses an alternate splice site in the central coding region, which results in a frameshift, compared to variant 1. The encoded isoform (2) has a shorter and distinct C-terminus, compared to isoform 1.