

Product datasheet for RC205114

prothymosin, alpha (PTMA) (NM_002823) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	prothymosin, alpha (PTMA) (NM_002823) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	prothymosin, alpha
Synonyms:	TMSA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<p>>RC205114 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</p> <p>TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC</p> <p>ATGTCAGACGCAGCCGTAGACACCAGCTCCGAAATCACCACCAAGGACTTAAAGGAGAAGAAGGAAGTTGTGGAAGAGGCAGAAAATGGAAGAGACGCCCTGCTAACGGGAATGCTAATGAGGAAAATGGGAGCAGGAGGCTGACAATGAGGTAGACGAAGAAGAGGAAGAAGGTGGGGAGGAAGAGGAGGAGGAAGAAGAAGGTGATGGTGAGGAGGAGGTGGAGATGAAGATGAGGAAGCTGAGTCAGCTACGGCAAGCGGCAGCTGAAGATGATGAGGATGACGATGTCGATACCAAGAAGCAGAAGACCGACGAGGATGAC</p> <p>ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA</p>
Protein Sequence:	<p>>RC205114 protein sequence Red=Cloning site Green=Tags(s)</p> <p>MSDAAVDTSSSEITTKDLKEKKEVVEEAENGRDAPANGNANEENGEQADNEVDEEEEEEGEEEEEEEEEGDGEEEGGDEDEEAESATGKRAAEDDEDDVDTKKQKTDEDD</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Chromatograms:	https://cdn.origene.com/chromatograms/mk6067_d08.zip
Restriction Sites:	SgfI-MluI



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Cloning Scheme:



ACCN: NM_002823

ORF Size: 330 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

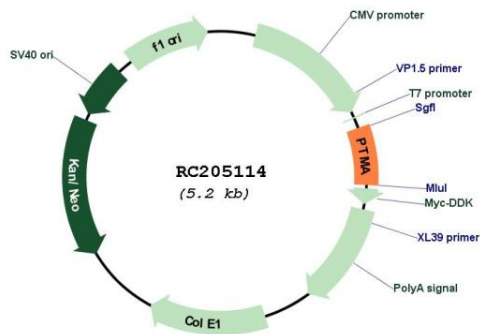
RefSeq: [NM_002823.3](#)

RefSeq Size: 1220 bp

RefSeq ORF: 333 bp

Locus ID: 5757
UniProt ID: [P06454](#)
Cytogenetics: 2q37.1
Domains: Prothymosin
Protein Families: Druggable Genome, Stem cell - Pluripotency, Transcription Factors
MW: 12 kDa
Gene Summary: Prothymosin alpha may mediate immune function by conferring resistance to certain opportunistic infections.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC205114