

Product datasheet for **SC205669**

PTPLA (HACD1) (NM_014241) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PTPLA (HACD1) (NM_014241) Human 3' UTR Clone
Symbol:	PTPLA
Synonyms:	CAP; PTPLA
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_014241
Insert Size:	1362 bp



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Insert Sequence: >SC205669 3'UTR clone of NM_014241
 The sequence shown below is from the reference sequence of NM_014241. 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
GGAGAGGTGATTGTAGAAAAGGATGATTAAATGATCTCTGCAAACAAGGTGCTTTTTCCAGAATAACCA
AGATTACCTGAGTCCAAGTTTTAATAACAAGAATAAACAACTTTGTGAAATATCATGGATTGTATGGTT
TCTTAAAAATAACTTGAGACACGTGGTATTTGCCAGTATTTGTGTTCTCTTGTGCCAGATCTATTTT
TTACAAGAACTGTGCAAAATATCAGTAACTTTGGGTAGGTATTGATTATTAGGAAAATAATTAGGTGTA
TTATCTGGGGGAAAAAAAAAACTTTTCTAAGTTTTTTTTGAAACATGCTCAAAGCTTTTTAAATCAATA
TTTAGAAATTAGTTAACGATTTACTATTATACCTGCTAGTGATATTTATGTGATATTTATAAATGAAA
ATAAATGCAAAATATAACAACCTGTTAATAATGTATTGGTATTTTTGAACCCACAATCTATTTTTTCA
GGATAAAGGCAGCATTATGACTAATAACAGTGTTTGAAGCGTGGATATAATTTGCTAAAGTAAGACTT
TTGATGTAGATAAAGTAGCAGCATAAAAACACACAAATATTCAAGTAGATGTCACAGTTGGAAAATATT
CTTTGAAATATTTCTAGGCAGCTGAAATTACTTATACTGCTAAGGAAATCTGCTTTTTATTTAAATTA
GCCACTTAAGGACAAGGTTTTCACTGTGAAGTTTTAAGGGGTTAGGAAGAGCATAAGTATTTGCCCC
ACTATTAACAAAAACATGACATCTGACTATAATGTTGTATTACAGGCTGGGAGTGGTAGCTCATGCCT
GTAATCCCAGCACTTTGGAAGACTGAGGCAGGAGGATCGTTTGGAGCCAGAAGTTCAAGGCCAGTCTGG
GCAACATAGCAAGACCCCATCCCTAAAAAATTACAAACAAAAAAATTAACCAGGCATGGTGACACAT
GCCTGTAGTCCAGCTGCTTGGGAGGCTGAGGTGGGAGGATCACTTGAGCCAGGAATCAAGGTTACA
ATGAGCTATGATGGTACCCTGACTTAAAGCCTGGGTGACAGAGCAAGACCCTGTCTCTGAAAAATAGT
GATGATGATGATGATGATAACGATGATGAGGAAGATGATCATGCTGTACTCAGAACCTTGGTTGAG
AAAGTCTTCTCTACTGTAGAATTATCTTGTAACAATTGTTATGATAATCCCTTTGTGGTACTTAGGT
AACTAAACATTTTGGGTATGATCTTTGGACAGACTCCTTTCATTCTGAATTCATTGAATAGCAAAAAG
GTCTTGAATAAAGTTCCTGTCTTGTGTTAATAAAAAAATACACCAGA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
  
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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_014241.4](#)

Summary:

The protein encoded by this gene contains a characteristic catalytic motif of the protein tyrosine phosphatases (PTPs) family. The PTP motif of this protein has the highly conserved arginine residue replaced by a proline residue; thus it may represent a distinct class of PTPs. Members of the PTP family are known to be signaling molecules that regulate a variety of cellular processes. This gene was preferentially expressed in both adult and fetal heart. A much lower expression level was detected in skeletal and smooth muscle tissues, and no expression was observed in other tissues. The tissue specific expression in the developing and adult heart suggests a role in regulating cardiac development and differentiation. [provided by RefSeq, Jul 2008]

Locus ID:

9200

MW:

52.3