

Product datasheet for SC209279

RPTP mu (PTPRM) (NM_002845) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	RPTP mu (PTPRM) (NM_002845) Human 3' UTR Clone
Symbol:	RPTP mu
Synonyms:	hR-PTPu; PTPRL1; R-PTP-MU; RPTPM; RPTPU
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_002845
Insert Size:	724 bp
Insert Sequence:	<p>>SC209279 3'UTR clone of NM_002845</p> <p>The sequence shown below is from the reference sequence of NM_002845. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p>

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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGCCGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
GTGGCCCTGGAATACTTGAATTCTGGCTGATGGTGTAACAGCTCTGCAAACAATCCCTTTCATACCAC
AAAGCCAAGACGTTCCATGGTATTTGTGCAAAAGAGATGAAGACTTCTCAATATGCTTATTTTGCTTTG
CATAATTGGCTCTTTTAAAGAGCCCAAGAAAGTGTCTAAAATTGCTTGCACTGCCAATCCAGTAA
TGCTGCTGCCTGACAGAAACACACACAGCCACAGTTGCCAAATCCCGTACTCCTTGCCACCGGCTTC
CTAGAGCAGCGTAGACAGCTGGTAAACTGAAGAGCACAATATATTCTTATGAAGGAATTTGTACCTTT
GGGGTATTATTTTGTGGCCCGTGACCCTCGTTATTGTTACAGCTGAGTGTATGTTTTGTCTGTGGAG
AATGCTATCTGGCATTATGGTAATATATATTTAGGTAATATTGTACTTTAACATGTTGCATAATAT
ATGCTTATGTAGCTTCCAGGACTAACAGATAAATGTGTAATGAACAAAGATATGTTGTATGAGTCGTC
GTTTCTGTCAGATTTGTATTGTTTCCAAGGGAAAAGCTTGGGGGAGGACTCAGTTCACAAAATGCAAAA
CTCAACGATCAGATTCACGGACCCAGAGCTTTTCCATGTGTTTATATTGTAAATATTTTGTATTCATC
AAATTATTTATTCATTAAGAAATTTTGTGAA
ACGCGTAAGCGGCCGCGCATCTAGATTGCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
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).


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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:	<u>NM_002845.4</u>
Summary:	The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP possesses an extracellular region, a single transmembrane region, and two tandem catalytic domains, and thus represents a receptor-type PTP. The extracellular region contains a meprin-A5 antigen-PTP mu (MAM) domain, an Ig-like domain and four fibronectin type III-like repeats. This PTP has been shown to mediate cell-cell aggregation through the interaction with another molecule of this PTP on an adjacent cell. This PTP can interact with scaffolding protein RACK1/GNB2L1, which may be necessary for the downstream signaling in response to cell-cell adhesion. Alternative splicing results in multiple transcripts encoding distinct isoforms. [provided by RefSeq, Jul 2008]
Locus ID:	5797
MW:	27.5