

Product datasheet for **SC110233**

PTP4A3 (NM_007079) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PTP4A3 (NM_007079) Human Untagged Clone
Tag:	Tag Free
Symbol:	PTP4A3
Synonyms:	PRL-3; PRL-R; PRL3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC110233 sequence for NM_007079 edited (data generated by NextGen Sequencing)

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ATGGCTCGGATGAACCGCCCGGCCCGGTGGAGGTGAGCTACAAACACATGCGCTTCCTC
ATCACCCACAACCCACCAACGCCACGCTCAGCACCTTCATTGAGGACCTGAAGAAGTAC
GGGGCTACCACTGTGGTGCCTGTGTGAAGTGACCTATGACAAAACGCCGCTGGAGAAG
GATGGCATCACCGTTGTGGACTGGCCGTTTGACGATGGGGCGCCCCGCCGCAAGGTA
GTGGAAGACTGGCTGAGCCTGGTGAAGGCCAAGTTCTGTGAGGCCCGGCAGCTGCGTG
GCTGTGCACTGCGTGGCGGGCCTGGGCCGGAAGCGCCGCGGAGCCATCAACAGCAAGCAG
CTCACCTACCTGGAGAAATACCGGCCAAACAGAGGCTGCGGTTCAAAGACCCACACACG
CACAAGACCCGGTGTGCGTTATGTAG
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Clone variation with respect to NM_007079.2



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_007079 unedited NGGTAAAGTTCAAATTTAGTATACGACTCATATAGGCGGCNCGGATTCCGGCACGAGGTG ACTATCCAGCTCTGAGAGACGGGAGTTTGGAGTTGCCCGCTTTACTTTGGTTGGGTTGGG GGGGGCGGCGGGCTGTTTTGTTCTTTTCTTTTAAAGAGTTGGGTTTTCTTTTAAATT ATCCAAACAGTGGGCAGCTTCTCCCCACACCAAGTATTTGCACAATATTTGTGCGGG GTATGGGGTGGGTTTTAAATCTCGTTTCTCTGGACAAGCACAGGGATCTCGTTCTCC TCATTTTTGGGGTGTGTGGGACTTCTCAGGTCGTGTCCCAGCCTTCTCTGCAGTCC CTCTGCCCTGCCGGGCCGTGGGAGGCGCCATGGCTCGGATGAACCGCCCGGCCCGG TGGAGGTGAGCTACAAACACATGCGCTTCTCATACCCACAACCCACCAACGCCACGC TCAGCACCTTCATTGAGGACCTGAAGAAGTACGGGGCTACCACTGTGGTGCCTGTGTGTG AAGTGACCTATGACAAAACGCCGCTGGAGAAGGATGGCATCACCGTTGTGGACTGGCCGT TTGACGATGGGGCGCCCCGCCGGCAAGGTAGTGAAGACTGGCTGAGCCTGGTGAAGG CCAAGTTCTGTGAGGCCCGGCCAGCTGCGTGGCTGTGCACTGCGTGGCGGGCCTGGGCC GGAAGCGCCGGGAGCCTCAACAGCAAGCAGCTCACCTACCTGGAATAACCGGCCCA ACAGGAGCTGCGGTTCAAAGCCCCACACGCCCAAGACCCCGGGCTGCGTTATGTAGCT CAGGAACCTGGCTGGGCCTC
Restriction Sites:	Please inquire
ACCN:	NM_007079
Insert Size:	1400 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:	<ol style="list-style-type: none"> 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_007079.2 , NP_009010.2
RefSeq Size:	1321 bp
RefSeq ORF:	447 bp
Locus ID:	11156
UniProt ID:	O75365
Cytogenetics:	8q24.3
Protein Families:	Druggable Genome, Phosphatase

Gene Summary:

This gene encodes a member of the protein-tyrosine phosphatase family. Protein tyrosine phosphatases are cell signaling molecules that play regulatory roles in a variety of cellular processes. Studies of this class of protein tyrosine phosphatase in mice demonstrates that they are prenylated in vivo, suggesting their association with cell plasma membrane. The encoded protein may enhance cell proliferation, and overexpression of this gene has been implicated in tumor metastasis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Transcript Variant: This variant (2) lacks an in-frame exon in the 3' coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.