

Product datasheet for **SC123772**

PTP4A3 (BC003105) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PTP4A3 (BC003105) Human Untagged Clone
Tag: Tag Free
Symbol: PTP4A3
Synonyms: AV088979; pPtp4a3; Prl-3; PRL3; protein tyrosine phosphatase 4a3
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)
Cell Selection: None
Fully Sequenced ORF: >OriGene sequence for BC003105 edited

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TGACTATCCAGCTCTGAGAGACGGGAGTTTGGAGTTGCCCGCTTTACTTTGGTTGGGTTG
GGGGGGCGGCGGGCTGTTTTGTTCTTTTCTTTTTTAAGAGTTGGGTTTTCTTTTTTAA
TTATCCAAACAGTGGGCAGCTTCTCCCCACACCCAAGTATTTGCACAATATTTGTGCG
GGGTATGGGGTGGGTTTTAAATCTCGTTTTCTTGGACAAGCACAGGGATCTCGTTCT
CCTCATTTTTGGGGTGTGTGGGACTTCTCAGGTCGTGTCCCCAGCCTTCTCTGCAGT
CCCTTCTGCCCTGCCGGCCCGTCGGGAGGCGCCATGGCTCGGATGAACCGCCCGCCCC
GGTGGAGGTGAGCTACAAACACATGCGCTTCTCATCACCCACAACCCACCAACGCCAC
GCTCAGCACCTTCATTGAGGACCTGAAGAAGTACGGGGTACCCTGTGGTGCGTGTGTG
TGAAGTGACCTATGACAAAACGCCGCTGGAGAAGGATGGCATCACCGTTGTGGACTGGCC
GTTTGACGATGGGGCGCCCCCGCCGGCAAGGTAGTGGAAGACTGGCTGAGCCTGGTGAA
GGCCAAGTTCTGTGAGGCCCGCGCAGCTGCGTGGCTGTGCACTGCGTGGCGGGCCTGGG
CCGGAAGCGCCGCGGAGCCATCAACAGCAAGCAGCTCACCTACCTGGAGAAAATACCGGCC
CAAACAGAGGCTGCGGTTCAAAGACCCACACACGACAAGACCCGGTGTGCGTTATGTA
GCTCAGGACCTTGGCTGGGCCTGGTCGTCATGTAGGTGAGGACCTTGGCTGGACCTGGAG
GCCCTGCCAGCCCTGCTCTGCCAGCCAGCAGGGGCTCCAGGCCTTGGCTGGCCCCAC
ATCGCCTTTTCTCCCCGACACCTCCGTGCACTTGTGTCCGAGGAGCGAGGAGCCCTCG
GGCCTGGGTGGCTCTGGGCCCTTTCTCTGTCTCCGCACTCCCTCTGGCGGCCGTGG
CCGTGGCTCTGTCTCTGAGGTGGGTGCGGCGCCCTCTGCCCGCCCCCTCCACACCCAG
CCAGGCTGGTCTCCTCTAGCCTGTTTGTGTGGGGTGGGGGTATTTTTGTAACCACTGG
GCCCCAGCCCCTTTTTGCGACCCCTTGTCTGACCTGTTCTCGGCACCTTAAATTATT
AGACCCCGGGCAGTCAGGTGCTCCGACACCCGAAGGCAATAAAACAGGAGCCGTGAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
ACCTCGGG
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC003105 unedited CGTCAAATTTGTATACGACTACTATAGGCGGCCGAATTCGCACGAGGTGACTATCC AGCTCTGAGAGACGGGAGTTTGGAGTTGCCCGCTTACTTTGGTTGGGTTGGGGGGGCG GCGGGCTGTTTTGTTCTTTTCTTTTTAAGAGTTGGGTTTTCTTTTTAATTATCCAAA CAGTGGGCAGCTTCTCCCCACACCAAGTATTTGCACAATATTTGTGCGGGGTATGGG GGTGGGTTTTAAATCTCGTTTTCTTTGGACAAGCACAGGGATCTCGTTCTCCTATTTT TTGGGGTGTGTGGGACTTCTCAGGTCGTGTCCCAGCCTTCTCTGCAGTCCCTTCTGC CCTGCCGGGCCCGTCGGGAGGCGCCATGGCTCGGATGAACCGCCCGCCCGGTGGAGGT GAGCTACAAACACATGCGCTTCTCATCACCCACAACCCACCAACGCCACGCTCAGCAC CTTCATTGAGGACCTGAAGAAGTACGGGCTACCACTGTGGTGCCTGTGTGTGAAGTGAC CTATGACAAAACGCCGTGGAGAAGGATGGCATCACCGTTGTGGACTGGCCGTTTGACGA TGGGGCGCCCCCGGCAAGGTAGTGAAGACTGGCTGAGCCTGGTGAAGGCCAAGTT CTGTGAGGCCCGCCAGCTGCGTGGCTGTGACTGCGTGGCGGGCCTGGCCGGAAGCG CCGCGGAGCCATCAACAGCAAGCAGCTCACCTACCTGGAGAAATACCGGCCAAACAGAG GCTGCGGTTCANAGACCCACACGCAAGACCCGGTGTGCGTTATGTAGCTCAAGAC CTTGGCTGGGCCCTGTGTCATGTAGGTAAGACCTTGGCTGGACCTGGAGCCCTGCCCA CCCTGCTCTGCCAGCCANCAAGGGCTCCAGGCCTTGGCTGGCCCCACATCG
Restriction Sites:	Please inquire
ACCN:	BC003105
Insert Size:	1329 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:	<u>BC003105.1</u> , <u>AAH03105.1</u>
RefSeq Size:	1329 bp
Locus ID:	11156
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]