

Product datasheet for RN217669

Ptprz1 (NM_001170685) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptprz1 (NM_001170685) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ptprz1
Synonyms:	Ptpz; PTPzeta-A; PTPzeta-B; PTPzeta-S; RPTPbeta
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN217669 representing NM_001170685 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCGAATCCTGCAGAGCTTCTCGCGTGCCTCAGCTACTGTGCGTGTGTCGCCTGGACTGGGCTTATG
GATACTACAGACAACAGAGAAAACCTTGTGAAGAGATTGGCTGGTCTATACAGGAGCACTAAATCAAAA
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GAGAAATGTCCTTGCCTTCTCAGATTGGAACCTGCCACCACACAGTGTGGAAGGCACCTCAGCCTC
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 AATATGGTTTCCATAACAGAGTACAAAGAGGTGTCTGCTGACCTCAGTGAGGAAGAAAACCTACTGACTG
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 AGGCCAGAATCTACGAGAAATGCTCTAGAGGATTCGGCTCCATCAGGTTACAGAAGAATCACTAAAGGATC
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 AGTATTACACCCTTCAACACAGCCCTTGTCTATGAGGCCGATCTCCTTTAATACGGAAGCATTGCTG
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 CTTCTTCTTCTAAAGCTACTTCTAAGCCGACTCATAGTGCCAGATCTGATGCCGATTTAGTAGGAGGTG
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 GTGATGTGATGTTACCTATAGAGAATCACAGGAAAAGGTAATGAATGACTCGACACCCAAGAAAGC
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 TGATGGAAGAGAGGACCGTGACATTCAGATGGGTAGTGTCTTCTTCCACACCCAGGATCTAAAGCA
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 AGACTTCCACAGATTTTCAAGTCTCCAGATGTTAATGAAAAGGATGCTGATGGTGTCTGGAAGCAGATGA
 CACAGGCATAGCTCCGGATCTCCAGGTCTCCACCATCTGTACTAGTGGCATTGAGGATATCC
 AACAGTTCAGAGGCAGGTTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001170685
Insert Size:	4851 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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>NM_001170685.1</u> , <u>NP_001164156.1</u>
RefSeq Size:	6844 bp
RefSeq ORF:	4851 bp
Locus ID:	25613
UniProt ID:	<u>Q62656</u>
Cytogenetics:	4q22
Gene Summary:	<p>alternative splicing product phosphacan inhibits neural cell adhesion and neurite outgrowth [RGD, Feb 2006]</p> <p>Transcript Variant: This variant (2), known as phosphacan, differs in the 3' UTR and 3' coding region, compared to variant 1. The resulting protein (isoform 2) has a distinct C-terminus and is shorter than 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.</p>