

Product datasheet for MC225268

Ptprz1 (NM_001081306) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptprz1 (NM_001081306) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ptprz1
Synonyms:	AI850339; DSD-1-PG; PTPbeta; Ptprz; Ptpz; PTPzeta; R-PTP-zeta; Rptpbeta; RPTPz
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC225268 representing NM_001081306 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGAATCCTGCAGAGCTTCTCGCGTGCCTCAGCTCCTGTGCCTGTGTGCCTGGACTGGGCTTATG
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ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001081306
- Insert Size:** 6939 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:**
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_001081306.1](#), [NP_001074775.1](#)

RefSeq Size: 8068 bp

RefSeq ORF: 6939 bp

Locus ID: 19283

UniProt ID: [B9EKR1](#)

Cytogenetics: 6 A3.1

Gene Summary: Protein tyrosine phosphatase that negatively regulates oligodendrocyte precursor proliferation in the embryonic spinal cord. Required for normal differentiation of the precursor cells into mature, fully myelinating oligodendrocytes. May play a role in protecting oligodendrocytes against apoptosis. May play a role in the establishment of contextual memory, probably via the dephosphorylation of proteins that are part of important signaling cascades.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (3) represents the longer transcript and encodes the longer isoform (3).