

## Product datasheet for MR227033

### Ptprn (NM\_008985) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ptprn (NM_008985) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ptprn
Synonyms:	IA-2; mIA-A; mKIAA4064
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR227033 representing NM_008985 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGGCGCCCGCGGGCCCGGGGCTCCGGGGCTCCGGGGCTCCGGGGCTCCGGGGCTCCGGCTGCTGGTCT  
GCCTGCTGTTGCTGAGCGGCCCGCCCGGGGCTGCAGCGCCATCAGTGCCACGGCTGTCTGTTGACCC  
CAGACTTGTTCGCATCTGGAAGTCTGTATTAGGATGGCTTGTGGACAGTGCCAGGCAGGAGTGGG  
CAGGCACGGCCCTTTACAAGTCACTTCCCCAGTTTCCAGCGCCTACAAGGTGTCTCCGGCAACTCA  
TGTCCCAAGGCTTGTCTGGCATGATGACCTTACCCAGCATGTGATCTCCAGGAGATGGAACGCATCCC  
CAGGCTTCGCCCCCAGAGCCCCATCCAAGGGACAGGTCTGGTTTGGTGCCAGGAAACCAGGCCCTGCA  
GGGAATTGCTAACTCAGGGCAATCCTACTGGCTCCTCTCTCTGCTGCCAGGGCTTTCCAAGGCCTGCAG  
GGGTGGGACGGAGCTGGGGCGGGCTCCCCACTGTCTCTCTGTCAGGCTGAGTTGTTACCCCTCTCTT  
GGAGCATCTGCTAATGCCCCACAGCCTCCACACCCTGCTCTGACCTATGAACCTGCACTGCTACAGCCT  
TACCTCTCCACAGTTTGGCTCCCGAGATGGCTCCCGGGCTCAGAGAGCTCCTCTGGGTAGTTGGTG  
TTGGTCACCTGTCCAAGGCTGAAGTCTGCACCTTTCAGCAGAAGTGCCTCAAGGCCATTTGGGGAC  
TCACTTGGACACTTTTTGGGGACCTTACAGGTCCCTCACCTGCTCAACTTTTCCAAGATTGAGGGCTG  
CTCTACATGGCCCAAGATTGCCAGTGCCTGGCAGAGCCCGGGCACCAGGTTGCCAGAGAAATGGGGCA  
ACAGGGCAGAGGACTCTTCAGAGGGCCATGAGGAGGAAGTACTAGGGGGTCTGGGGGAGAAGTCCCTCC  
CCAAGCAGCACAACCAGAATTGAGTCTGCAGAGATTGACTGCTGTACTGGCAGGCTATGGAGTAGAGCTG  
CGTCAGTTGACCCCGGAGCAGTTTTCTACCCTCTTACCCTGCTGCAGTTGCTGCCAAGGGCACAGGAA  
GAAATCTTGAAGGGGCTGTAATGTTGGAGGAGCCGATGTCAAGAAAACAATAACAACAGATGCAGAGAGG  
AGACCCAGCAGAAGCTCTGCCCCCACACCCTCGCTTCTGGGTACCTCACTGCCAGCCCTGCCTCCAGC  
GAAGTTCAGCAGGTGCTGAGCCCTGGTTTCCCTGAACCTCCCCACACACCAGCCCTCTGGGCTCCTCT  
CAGTCTTCTGGAGAAGAAAAGTCCCTGGGCCAGAGCCAGCCACAGTGGTGGGACGGCCATCAGCTCG  
ACCATCGGCCGAGGAGTATGGCTATATCGTCACTGACCAGAAACCCTGAGCCTGGTGGCTGGAGTGAGG



[View online »](#)

CTGCTGGAGATTCTGGCTGAGCACGTGCATATGTCTCCGGTAGCTTTATCAACATCAGTGTGGTGGGAC  
 CAGCTGTACACCTCCGAATCCGGCACAATGAGCAGAACCTGTCTTTGGCAGATGTGACCCAGCAAGCTGG  
 GCTGGTGAAGTCTGAACTGGAAGCGCAGACAGGGCTCCAGATTTTGCAGACAGGGGTGGGACAGAGGGAG  
 GAAGCAGCTGAAGTCTTCCCGACAAGCCATGGCATACTCCCATGCCTCAGTGTGCTTACTCTAG  
 TGGCCCTGGCAGGCGTGCCTGGGCTGCTAGTGGCTTTGGCAGTGGCCTTGATGCGCCATCATTGAG  
 ACAGCGGGATAAGGAGCGCTGGCAGCGCTGGGCGGAGGGGGCCCATGGTGACACTACTTTTGGATAC  
 CAGGACTGTGTGCGCAGCACATGGCCACAAGTCCCTGTTTAACCGGGCGGAGGGTCCAGCCAGGCCTT  
 CTAGGGTGAGCAGTGTGCTCCAGTTTACGACGCGGCCAGGCCAGCCAGCCAGTTCCACAGCAGCAC  
 ACCATCTTGGTGCAGGAGCCCGCCAGGCCAACATGGACATCTCCACAGGACACATGATTCTGGCATA  
 ATGGAGGATCACCTTCGGAACCGGGACCGGTTGGCCAAGGAGTGGCAGGCTCTGTGCGCCTACCAAGCAG  
 AGCCAAACACCTGTGCCCGCACAGGATGAGAGCAACATCAAGAAGAACCGCCATCCTGACTTCTTACC  
 CTATGACCATGCCGAATCAAGCTGAAAGTGGAGAGCAGCCCTTCTCGGAGTGATTACATCAACGCCAGC  
 CCCATCATCGAGCATGACCTCGGATGCCGGCTACATAGCCACACAGGGACCACTGTCCACACCATCG  
 CGGACTTCTGGCAGATGGTGTGGGAGAGTGGCTGCACTGTATCGTTATGCTGACCCCGTTGGTGGAGGA  
 CGGTGTCAAACAGTGTGACCGCTACTGGCCGGATGAAGGATCTTCCCTTACCACGTCTATGAGGTGAAC  
 CTGGTGTGCGAGCACATCTGGTGCAGGACTTCTGGTGCAGGAGTCTACCTTAAAGAACCTGCAGACCC  
 AGGAGACGCGCAGCTCACTCAGTTCCTCCTCAGCTGGCCGGCAGAGGGCACTCCGGCCTCCACCCG  
 GCCGCTGTGGACTTCCGAGGAAAGTGAACAAGTGTACAGAGGCCGCTCCTGCCCCATCATAGTGAC  
 TGCAGTGACGGTGCAGGGAGGACAGGCACCTACATCCTTATTGACATGGTCTGAATCGCATGGCCAAAG  
 GAGTGAAGGAGATTGATATTGCTGCCACCCTGGAGCATGTCCGTGACCAGCGCCTGGACTTGTCCGTT  
 TAAGGACCAGTTTGAATTTGCGCTGACAGCCGTGGCAGAGGAGGTGAATGCTATCCTCAAGGCCCTGCC  
 CAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR227033 representing NM\_008985  
 Red=Cloning site Green=Tags(s)

MRRPRRPGSGSGSGGLRLLVCLLLLGRPGGCSAISAHGCLFDRRLCSHLEVICQDGLFGQCQAGVG  
 QARPLLQVTSPLVLRQLQGLRQLMSQGLSWHDDLQHVISQEMERIPRLRPPPEPDRSGLVPRKPGPA  
 GELLTQGNPTGSSPAAQGFPRPAGGGDAGAGSPLSSLQAE LLPLEHLLMPPQPPHPALTYEPALLQP  
 YLFHQFGSRDGSRGSESSGVVGVGHLSKAEGPALF SRSASKAILGTHSGHSFGDLTGPSPAQLFQDSGL  
 LYMAQELPVPGRARAPRLPENGGRNAEDSSEGHEEVLGGRGEKSPQAAPPELSQLRLTAVLAGYGVEL  
 RQLTPEQFSTLLTLLQLLPKGTGRNLEGAVNVGGADVKKTIQQMQRGDPAEALPPTPSLPGYL TASPASS  
 EVQQVLSPGFPEPHTPSPLGSSSVLLEKKSPLGQSQPTVVGRPSARPSAEYGYIVTDQKPLSLVAGVR  
 LLEILAETHVHMSSGSFINISVVGPAVTFRIRHNEQNL SLADVTQQAGLVKSELEAQTGLQILQTGVGQRE  
 EAAEVLPRQAHGISPMRSVLLTLVALAGVAGLLVALAVALCMRHHSRQRDKERLAALGPEGAGHDTTFEY  
 QDLCRQHMATKSLFNRAEQPEPSRVSSVSSQFSDAAQASPSSHSSTPSWCEEPAQANMDISTGHMILAY  
 MEDHLNRDRDLAKEWQALCAYQAEPNCAAQDESNIKKRNHPDFLPYDHARIKLVESSPRSRSDYINAS  
 PIIIEHDPMPAYIATQGPLSHTIADFWQMVWESGCTVIVMLTPLVEDGVKQCDRYWPDEGSSLYHYVEVN  
 LVSEHIWCEDFLVRSFYLNKLTQETRTLQHFHLSWPAEGTPASTRPLLDFFRRKVNKCYRGRSCP IIVH  
 CSDGAGRTGTIILIDMVLNRMAKGVKEIDIAATLEHVRDQRPGLVRSKDQFEFAL TAVAEVNAIILKALP  
 Q

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9012\\_c01.zip](https://cdn.origene.com/chromatograms/mm9012_c01.zip)

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NM\_008985

ORF Size: 2943 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

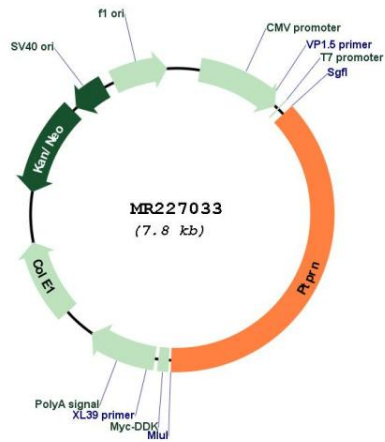
RefSeq: [NM\\_008985.3](#)

RefSeq Size: 3536 bp

RefSeq ORF: 2946 bp

Locus ID: 19275  
 Cytogenetics: 1 38.64 cM  
 MW: 106.5 kDa

**Product images:**



Circular map for MR227033