

Product datasheet for **MG227033**

Ptpn (NM_008985) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptpn (NM_008985) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ptpn
Synonyms:	IA-2; mIA-A; mKIAA4064
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG227033 representing NM_008985
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGCGCCCGGGCGGCCCGGGGCTCCGGGGCTCCGGGGCTCCGGGGCCTCCGGCTGCTGGTCT
 GCCTGCTGTTGCTGAGCGGCCGCCCGGGGCTGCAGCGCCATCAGTGCCACGGCTGTCTGTTGACCG
 CAGACTTTGTTTCGCATCTGGAAGTCTGTATTACAGATGGCTTGTGGACAGTGCCAGGCAGGAGTGGGG
 CAGGCACGGCCCTTTACAAGTCACTTCCCCAGTTTCCAGCGCCTACAAGGTGTCTCCGGCAACTCA
 TGTCCCAAGGCTTGTCTGGCATGATGACCTTACCAGCATGTGATCTCCAGGAGATGGAACGCATCCC
 CAGGCTTCGCCCCCAGAGCCCATCCAAGGGACAGGTCTGGTTTGGTCCCAGGAAACCAGGCCCTGCA
 GGGGAATTGCTAACTCAGGGCAATCCTACTGGCTCCTCTCTGCTGCCAGGGCTTCCAAGGCCTGCAG
 GGGGTGGGACGGAGCTGGGGCGGGCTCCCACTGTCTCTCTGCAGGCTGAGTTGTTACCCCTCTCTT
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 TCACTCTGGACACTCTTTTGGGGACCTTACAGGTCCCTCACCTGCTCAACTTTTCCAAGATTACAGGGCTG
 CTCTACATGGCCCAAGAGTTGCCAGTGCCTGGCAGAGCCCGGCCACCAAGGTTGCCAGAGAATGGGGCA
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 CGTCAGTTGACCCCGGAGCAGTTTCTACCCTTGGACCTGTGCAGTTGCTGCCAAGGGCACAGGAA
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 GCCGCTGTGGACTTCCGAGGAAAGTGAACAAGTGTACAGAGGCGCTCCTGCCCATCATAGTGCAC
 TGCAGTACGGTGCAGGGAGGACAGGCACCTACATCCTTATTGACATGGTCTGAATCGCATGGCCAAAG
 GAGTGAAGGAGATTGATATTGCTGCCACCCTGGAGCATGTCCGTGACCAGCGGCTGGACTGTCCGTTT
 TAAGGACCAAGTTGAGTTTGCCTGACAGCCGTGGCAGAGGAGGTGAATGCTATCCTCAAGGCCCTGCC
 CAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG227033 representing NM_008985
 Red=Cloning site Green=Tags(s)

MRRPRRPGGSGGSGGLRLLVCLLLL SGRPGGCSAISAHGCLFDRRLCSHLEVCIQDGLFGQCQAGVG
 QARPLLQVTSPVLQRLQGLRQLMSQGLSWHDDLQHVISQEMERIPRLRPPPEHPDRSGLVPRKPGPA
 GELLTQGNPTGSSPAAQGFPRPAGGGDGAGAGSPLSSLQAE LLPLEHLLMPPQPPHPALTYEPALLQP
 YLFHQFGSRDGSRGSESSGVVGVGHL SKAEGPALF SRSASKAILGTHSGHSFGDLTGPSPAQLFQDSGL
 LYMAQELPVPGRARAPRLPENGGNRAEDSSEGHEEVLGGRGEKSPQAAQPELSLQRLTAVLAGYVEL
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 EVQQVLSPGFPEPPHTPSPLGSSSVLLEKKSPLGQSQPTVVGRPSARPSAEEYGYIVTDQKPLSLVAVR
 LLEILAETHVMSSGSFINISVVGPAVTFRIRHNEQNL SLADVTQQAGLVKSELEAQTGLQILQTGVGQRE
 EAAEVLPRQAHGISPMRSVLLTLVALAGVAGLLVALAVALCMRHHSRQRDKERLAALGPEGAHGDTTFEY
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 PII EHDPRMPAYIATQGPLSHTIADFWQMVWESGCTVI VMLTPLVEDGVKQCDRYWPDEGSSLYHVYEVN
 LVSEHIWCEDFLVRSFYLNKLTQETRTL TQFHFLSWPAEGTPASTRPLLDFFRRKVNKCYGRGRSCPIIVH
 CSDGAGRTGTYILIDMVLNRMAGVKEIDIAATLEHVRDQRPGLVRSKDQFEFAL TAVAEEVNAILKALP
 Q

TRTRPLE - GFP Tag - V

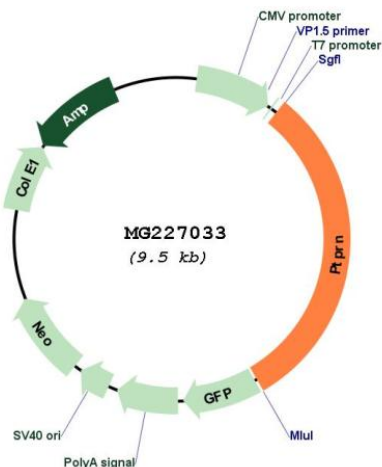
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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