

## Product datasheet for **MG220447**

### **Ptpn3 (NM\_011207) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ptpn3 (NM_011207) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ptpn3
Synonyms:	9530011I20Rik; PTP-H1; PTPCL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide  
Sequence:

>MG220447 representing NM\_011207  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACCTCCCGTTACGTGCGTTGGGTGGAAGAATTAACAATACCCGAACCTCTGAATTGCCAAAGAGA  
 AAACCTCGATCCGAGGTCACTGACGATACGGTTTTTAGATGGCTTGGTACAGACCTTTAAAGTTAACAA  
 ACAAGATTTGGGCCAGTCGCTTCTGGATATGGCCTATGGCCACCTGGGTGTGACGGAGAAGGAATACTTC  
 GGCTTGCAACATGGCGACGACCCAGTGGACTCTCCTAGATGGCTTGGGCAAGCAAACCCCTCAGGAAGC  
 AGCTGAAAGGAGGTTTTCCCTGTACCCTGCATTTTCGAGTAAGATATTTTATACCTGATCCCAACACT  
 GCAGCAGGAGCAAACCAGGCATCTATTTTCTTACAACCTGAAGATGGATGTTTGCGAAGGAAGGTTAACC  
 TGCCCTCTCAACTCAGCGGTGGTCTAGCCTCGTACGCAGTACAATCTCATTTTGGAGACTTTAATTCTT  
 CAATACATCATCCAGGCTATCTTGCCGACAGCCAGTTCATACCAGATCAAAATGATGACTTTTTAAGCAA  
 GGTGGAGTCACTCCATGAACAGCACAGTGGGCTAAAGCAGTCGGAAGCCGAATCTTGCTACATCAACATA  
 GCTCGAACCCCTTGACTTCTACGGAGTGGAGCTTATGGAGGCAGAGATCTGCACAACCTAGATCTAATGA  
 TCGGGATTGCGTCTGCAGGCATTGCAGTCTACCGAAAATACATTTGCACAAGTTTCTACCCTTGGGTGAA  
 CATACTCAAAATTTCTTTCAAAAGGAAAAAGTTTTCATACACCAGCGGCAAAAACAGGCTGAATCCAGG  
 GAACATATCGTGGCCTTCAACATGCTGAATTACCGATCTTGCAAAAACCTTGCGAAATCTGCGTCAAC  
 ACCATTCGTTCTTTCAAGCAAAAAGTTACTACCTCAGGAAAAGAATGTTCTCTCAGTACTGGACTCT  
 AGGCTCCAGGAACCCCAAAAAGTCTGTAATAACCAATATTGCAAAAAGGTGATTGGAGGGATGGTGTGG  
 AACCCAGTCAAGGAGGTCCTTATCAGTGGAAACGGCTGGAAACCAAGAGCCTGCCTTCCCGTCCCCTC  
 CCATCACCCCAACTGGCGAAGTCTCGGCTCCGGCATGAAATCCGCAAGCCCGCCATCTCCCGCGGA  
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 ACCCAGCCCAAAGCTGCCTGACCAGAAGTCAATCCAGTCTGTGTCTCCATCTTGAATGCTCCAGGCTC  
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 GAGGACGCCAGCCAGTACTACTGTGATAAGAGTACGATGGAGATGGCTACCTAGTCTGATCCGGATCA  
 CACCAGATGAAGAGGGAAGATTTGGCTTAACTTAAGGGAGGAGTGGATCAAAGATGCCGCTCGTGGT  
 CTCGAGGATAAACCCAGAGTCACTGCAGATACCTGCATGCCTAAGCTGAATGAGGGGGATCAGATCGTG  
 TTGATCAATGGCCGGGACATCTCAGAGCACACTCATGACCAGGTGGTGTGTTTCAAAAGCAAGCCGGG  
 AGTCCCCTCGAGAGAACTGGCCCTGGTGTATCAGGAGAAAAGCTGTGCGCTCGCTGGCGGAGATCAGATC  
 AGAAGATGAGCTGAGTCAGCTTTTCCAGAAAGCCATGTTTCTGCATGTCCTGAGGGTGGGGACAGTCTG  
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 CACATCCAGTGTACAGACAGAGGACTGTACCATTGCTTACGTGTCCGAGAAATGCTAGTTACAAACACGG  
 AGACCGGGGAAGAACACACAGTACCCATCTCCAGTATGTGGCGTGGCCTGACCACGGCGTACCTGATGA  
 CTCATCAGACTTCTGGAGTTTGTGAAGTATGTGAGGTCCCTGAGGGTGCAGGTGAGCCTGCCCTCGTT  
 CACTGCAGTGTGGAATAGTTCGGACAGGTGTTTTAGTCACTATGGAAACAGCCATGTGCTTAATTGAGA  
 GGAACCTGCCTGTTTACCCTGGATATTGTCCGAAAATGAGAGACCAGCGCGGATGATGGTGCAGAC  
 GTCAAGCCAATACAAGTTTGTGTGTAAGCGATCCTTCGAGTGTACGAAGAAGGCTTAGTCCAGAGGCTG  
 GATCCAGT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG220447 representing NM\_011207  
 Red=Cloning site Green=Tags(s)

MTSRLRALGGRINNTRTSELPEKTRSEVIC SIRFLDGLVQTFKVNKQDLGQSLDMAYGHLGVTEKEYF  
 GLQHGDDPVDSPRWLEASKPLRKQLKGGFPCTLHFRVRYFIPDPNTLQQEQTRHLYFLQLKMDVCEGRLT  
 CPLNSAVVLASYAVQSHFGDFNSSIHHPGYLADSQFIPDQNDNFLSKVESLHEQHSGLKQSEAESCYINI  
 ARTLDFYGVELHGGRDLHNLDMIGIASAGIAVYRKYICTSFYPWVNILKISFKRKKFFIHQRQKQAESR  
 EHVAVFNMLNYRSCKNLWKSCVEHHSFFQAKLLLPQEKNVLSQYWTLGSRNPKKSVNNQYCKKVIIGMVW  
 NPVMRRSLSVERLETKSLPSRSPPIIPNWRSPRLRHEIRKPRHSSADNLANEMTYITETEDVFYTYKGPL  
 SPKDSSEVSNHSPHRESLSENNPAQSCLTQKSSSSVSPSSNAPGSCSPDGVDQRFLEDYHKVTKGGFV  
 EDASQYYCDKSDDGGLVLRITPDEEGRFGFNLKGGVDQKMPVVSRINPESPADTCMPKLNEDQIV  
 LINGRDISEHTDQVVMFIKASRESHSRELALVIRRKAVRSLAEIRSEDELSQLFPEAMFPACPEGGDSL  
 EGSMELLKKGLESGTVLIQFEQLYRKKPGLAVSFAKLPQNLKKNRYKDVLPYDTRVLLQGNEDYINASY  
 VNMEMPAANLVNKYIATQGPLNNTCAQFWQVVDQKLSLVVMLTTLTERGRTKCHQYWPDPDIMDHGIF  
 HIQCQCTEDCTIAYVSREMLVTNETGEEHTVTHLQYVAWPDHGVDDSSDFLEFVKYVRSRLVDGEPALV  
 HCSAGIGRTGVLVTMETAMCLIERNLPVYPLDIVRKMRDQRAMMVQTSSQYKFVCEAILRVYEEGLVQRL  
 DPS

TRTRPLE - GFP Tag - V

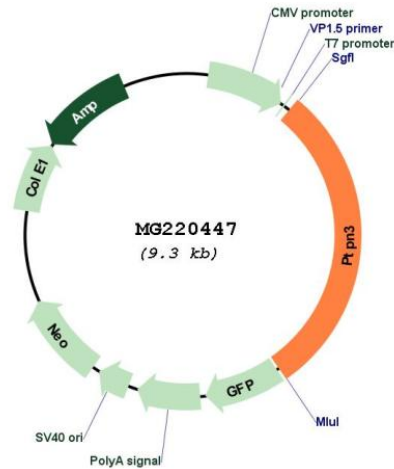
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_011207

ORF Size: 2739 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\\_011207.2](#), [NP\\_035337.2](#)

RefSeq Size: 6369 bp

RefSeq ORF: 2742 bp

Locus ID: 545622

UniProt ID: [A2ALK8](#)

Cytogenetics: 4 31.66 cM

**Gene Summary:** May act at junctions between the membrane and the cytoskeleton.[UniProtKB/Swiss-Prot Function]