

Product datasheet for **MC222374**

Ptgfrn (NM_011197) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptgfrn (NM_011197) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ptgfrn
Synonyms:	4833445A08Rik; AU042434; CD9P-1; FPRP; Trim45
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222374 representing NM_011197
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGCGCCCGCGCCGAGGCCGCTGCTGCTGGCGCTCTGTCGCTGGTGTCTGCCGTGGCGTGTGG
 TGAGAGTCCCTGCGGGCACCCCTGGTTCCGGTGGTGGGCACTGAGCTGGTATCCCTGCAATGTCAGCGA
 CTATGACGGCCCCAGCGAGCAGAACTTCGACTGGAGCTTCTCGTCTTCCGGGAGCAGTTTCGTGGAGCTT
 GCTAGCACCTGGGAGGTGGGCTTCCCGGCACAGCTGTACCGGGAGCGGCTGCAGCGGGGTGATATCTGT
 TGAGGAGAACTGCCAACGATGCTGTGGAAGTGCACATAAAGAATGTCCAGCCCTCAGACCAAGGCCACTA
 CAAGTGTCCACCCCGAGCACGGATGCCACTGTCCAGGGCAACTACGAGGACACAGTGCAGGTTAAAGTG
 CTGGCAGATGCCCTGGTGGTGGGCTCCAGCTCCCGGCTCCTCCAGGCCTGAGCCTGCGTGAGGGGGAGC
 CCTTTGAGCTGCGATGTATCGCTTACCACGTACCGTTGCACACACACCTGGCACTTCGGTGGGAACT
 GCACCGTGGCCCGTGCACCGAAGCATCCTAGCCCTAAGCCACGAGGGCAGGTTTACCCAGGCCCTGGC
 TATGAGCAGCGCTACCACAGTGGGGACGTACGCCCTGGACACAGTAGGCAGCGATGCCACCGCTCTCCG
 TAGCCCGGGCGCTCTCTGCGGACCAGGGTTCCTATAGATGTGTGGTACAGCGAGTGGATCACAGAGCAGGG
 CAGCTGGCAAGAAATCCAAGAAAAGCCGTGGAAGTGGCCACTGTGGTATCCAGCCGACAGCTCTGCAA
 CTGGCCGTGCCAGGACAGTGTCTGTGACTGAAGGAAAGGACCTGGATCTTTCTTGAACATCACAAACAG
 ACCGTGTGGATGATGTCCGGCTGAGGTGACATGGTACTTCAAAAAGACACCCGATACCTCTTTACTTGC
 CTCCCACATGTGGCGCGCTTGACCGTATTCCCTGGTCCACAGCTCACCACAGTTGCTCTCAGTCAC
 GTGGATACCCGCTTACCATCTACTGGTGGGAGATGTTAGCAAAGAAAAGTCCGGCTACTATCTTTGCC
 TTGTGGCCCTCTGGGCTCCTGGACACAACAGGAGCTGGCACAAGGTGGCAGAGGCCATGTCTGCCCGTCT
 TGGTGTAAAGCGTGACCTGGCTAGAACCAGAATACCAGGTCTACCTGAACGCTTCTAAGGTCCCGGGTTT
 TCAGACGACCCACGGAAGTGCAGTGCCGGGTGATAGACACGAAGCGTCTGGAGGCCGGTGTCCGACTTA
 CCGTGTGCTGGTACTATAGAATGACCCGTGCAATGACGACGTGGTGGCCAGTGAGCTTCTCGCAGTCAT
 GGATGGGGACTGGACTCTGAGATATGGAGAGAGGCAAGCAGCGGGCCAGGACGGAGAGTTTATTTTTT
 TCTAAGGAGCACACAGACACATTCAATTTCCGGATCCAAAGGACTACGGAGGAAGACAGGGGCAATTATT
 ACTGTGTTGTGCTGCTGGACCAGGCAGAGGAACAACAGCTGGGTGAAGAGCAAAGATGTCTTCTCCAA
 GCCTGTCAACATATTCTGGCCCTCAGAAGATTCTGTGCTCGTGGTGAAGGCACGGCAGCCAAAGCCTTTC
 TTTGCTGCAGGAATACATTTGAGATGACTTGCAAAGTGTCTTCAAGAATATTAAGTCGCCACGATACT
 CAGTTCTCATCAGGCTGAGAAGCCCGTGGGGACCTCTCCAGTCCCAACGAGACCAAGTACATTATCTC
 CCTGGACCAGGACTCCGTGGTGAAGCTGGAGAAGTGGACCAGCGCTCTCGGGTGGATGGCGTGGTGTG
 GAGAAAGTTTACGGAGGATGAGTCCGATACCGAATGTACCAGACTCAGGTCTCCGATGCGGGCTGTACC
 GCTGCATGGTGACAGCCTGGTCTCCTATTGGGGGACGCTTGTGGCGAGAGGCAGCGACCAGTCTCTCCAA
 TCCTATTGAGATCGACTTCCAAACCTCAGGTCCACATTTAACGCTCTGTGCATTACAGACACCATCC
 GTCACCCGGGAGATCTCATCAAATTGTTCTGTATCGTCACTGTGGAAGGAGCTGTGCTGGACCCAGATG
 ACATGGCCTTCGATGATCCTGGTTTGGCGTACACTCTTTGGCTTGGACAAGGCTCCCGTCTCCTCTC
 CTCCTTGGACCGAAGGGAGTCTGTGACGACAGGCCAGAGGGACTGGAAGAGTACTGTGAGCCTGGAGCGA
 GTGAGCGTGTGGAATTCCTGCTGCAAGTGCATGGCTCTGAGGACCAGGACTTTGGCAACTACTACTGTT
 CTGTGACTCCCTGGGTGAGGTACCCGACAGGTTCTGGCAGAGGGAAGCCGAGATCCACTCCAGGCCAT
 CTTTATAACTGTGAAGATGGACGTGCTGAACGCTTCAAGTACCCGCTGTGATCGGCGTGGGCTGTCC
 ACAGTCATCGGGCTCCTGTCTGCTCATCGGATACTGCAGTCCCATTTGGTGTGTAAGAAGGAGGTTCC
 GGGAGACGCGTCCGGAGCGCCGACGGCTCATGTCCATGGAGATGGATTAAGCGGACCG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2231_g06.zip

Restriction Sites: SgfI-RsrII

ACCN: NM_011197

Insert Size:	2649 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	NM_011197.3 , NP_035327.2
RefSeq Size:	5786 bp
RefSeq ORF:	2640 bp
Locus ID:	19221
UniProt ID:	Q9WV91
Cytogenetics:	3 F2.2
Gene Summary:	<p>Inhibits the binding of prostaglandin F2-alpha (PGF2-alpha) to its specific FP receptor, by decreasing the receptor number rather than the affinity constant. Functional coupling with the prostaglandin F2-alpha receptor seems to occur (By similarity). In myoblasts, associates with tetraspanins CD9 and CD81 to prevent myotube fusion during muscle regeneration. [UniProtKB/Swiss-Prot Function]</p>