

Product datasheet for **RN212021**

Ptgfrn (NM_019243) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptgfrn (NM_019243) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ptgfrn
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN212021 representing NM_019243
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGCGCCCGCGCCGAGGCCGTGCTGCTGGCGCTCTATCGCTGGTGTCTGCCGGGGCGTGTGG
 TGAGAGTCCCTGCGGGCACCCCTGGTTCGAGTGGTGGGCACTGAGCTGGTATCCCTGCAATGTCAGTGA
 CTATGATGGCCCCAGTGAGCAAACTTTGACTGGAGCTTCTCGTCTTCGGGAAGCAGCTTTGTGGAGCTC
 GCCAGCACCTGGGAGGTGGGCTTCCCGGCGCAGCAGTACCGTGAGCGGCTGCAGCGGGGCGACATCTGT
 TGAGGAGGACAGCCAATGATGCTGTGGAGCTGCACATAAAGAATGTCCAGCCCTCGGACCAAGGCCACTA
 CAAGTGTCAACTCCAAGCACAGACGCCACCGTCCAGGGCAACTATGAGGACACAATGCAGGTTAAAGTG
 CTGGCAGATGCCCTGGTGGTGGGCCAGCTCCCGCCCTCTCCAGGCCGTGAGCTGCGCGAGGGGGAGC
 CCTTTGAACCTCGATGTATCGCATCTACTACGTACCGTTGCACACACACCTGGCACTTCGGTGGAACT
 GCACCGTGGCCAGTGCACCGAAGCATCTAGCCCTAAGCCACGAGGGCAGGTTTCAACCAGGACCTGGC
 TATGAACAGCGCTACCACAGTGGGGATGTACGCCCTGGACACGGTGGGCGAGCGATGCCACCGCCTCCG
 TAGCCCGGCACTCTCTGCAGACCAGGGTTCCTACAGATGTGTGGTCACTGAGTGGATCACAGAGCAAGG
 CAGCTGGCAAGAAATCCAAGAAAAAGCTGTGGAAGTGGCCACTGTGGTATCCAGCCAACAGCTCTGCAA
 CTGGCCGTGCCAGGACAGTGTCTGTGACCGAAGGAAAGGACCTGGACCTTTCTTGAACATCACAAACAG
 ACCGTGTGGATGATGTCCGGCCTGAGGTGACATGGTACTTCAAAAAGACACCCGATACCTCTTTGCTTGC
 CTCCATATGCTGGCTCGGCTGGACCGTATTCCCTGGTACACAGCTCACCACACGTTGCTCTCAGCCAC
 GTGGATACCCGCTCTTACCATCTACTGGTGGCAGATGTAGCAAAAGAAACTCCGTTACTATCTATGCC
 TCGTGGCCCTCTGGGCTCCTGGACACAACCGGAGCTGGCACAAGGTGGCAGAGGCCATGTCTGCCCATC
 TGGTGTAAAGCGTGACCTGGCTAGAACCAAGAAATACCAGGTCTACCTGAATGCTTCTAAGGTCCCGGGT
 TCCGACGACCCACAGAAGTGAATGCCGGGTGATAGACACGAAGCGTGTGGATGCCGGTGTCCGACTTA
 CTGTGTCGTGGTACTATAGAATGAACCGTCCGAAATGATGACGTGGTGGCCAGCGAGCTTCTCGCGTCAT
 GGACGGGGACTGGACTCTGAGATACGGGGAGAGAAGCAAAACAGCGGGCCAGGACGGCGAGTTTATCTTT
 TCTAAGGAGCACACAGACACATTCAGTTTCCGGATCCAAAGGACTACGGAGGAAGACAGGGGCGATTATT
 ACTGTGTTGTGTCTGCCTGGACCAGGCAGAGGAACAGCAGCTGGGTGAAGAGCAAAGATGTCTTCCAA
 GCCCGTCAACATATTCTGGCCCTCGGAAGATTCTGTGCTCGTGGTGAAGGCACGGCAGCCAAAGCCTTTC
 TTTGCTGCAGGAATACATTTGAGATGACTTGCAAAGTGTCTTCCAAGAATATTAAGTCTCCACGATACT
 CTGTTCTCATCACGGCTGAGAAGCCTGTGGGGACCTCTCCAGTCCCAATGAAACCAAGTACATCATCTC
 CCTGGACCAGGATTCCGTGGTGAAGCTGGAGAAGTGGACCGACGCATCTCGGGTGGACGGCGTCTGTGTA
 GAGAAGGTTCAAGAGGATGAGTCCGATACCGAATGTACCAGACTCAGGTCTCCGATGCGGGCCTGTACC
 GCTGCATGGTGCAGCCTGGTCTCCTATCGGGGGCAGCTTGTGGCGAGAGGCAGCGACCAGTCTTTCCAA
 TCCTATTGAGATTGACTTCCAAACCTCAGGTCCCATATTTAACGCCTCTGTGCATTACAGACACTGTGCC
 GTCACCCGGGGAGATCTCATCAAGTTGTTCTGTATCGTCACTGTGGACGGAGCAGTGTGGACCCAGATG
 ACATGGCCTTCGATGTATCCTGGTTTGCAGTACACTCTTTGGCTTGGACAAGGCTCCCATCCTCCTATC
 CTCCTTGGACCGGAAGGGAGTCTGTGACTACAGGCCAGAGGGACTGGAAGAGTACCGTCAGCCTGGAGCGA
 GTGAGCGTGTGGAATTTTGTGCAAGTGCATAGCTCTGAGGACCAGGACTTTGGCAACTACTATTGTT
 CTGTGACTCCCTGGGTGAGGTCACCAACTGTTTCTGGCAGAGGGAAGCCGAGATCCACTCCAGGCCAT
 CTTTATAACTGTGAAGATGGATGTGCTGAACGCCTTCAAGTACCCGCTGTGATCGCGTGGGCTGTCC
 ACAGTCATCGGCTCCTGTCTCCTCATTGGGTACTGCAGTTCCTATTGGTGTGTAAGAAGGAGGTGC
 GGGAGACGCGTCCGGAGCGCCGAGGCTCATGTCCATGGAGATGGAT**TAA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
ACCN: NM_019243
Insert Size: 2640 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:	<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_019243.1 , NP_062116.1
RefSeq Size:	5825 bp
RefSeq ORF:	2640 bp
Locus ID:	29602
UniProt ID:	Q62786
Cytogenetics:	2q34
Gene Summary:	binds prostaglandin F2 alpha and inhibits its binding to the prostaglandin F2 alpha receptor [RGD, Feb 2006]