

## Product datasheet for MR227163

### Ptafr (NM\_001081211) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ptafr (NM\_001081211) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ptafr  
**Synonyms:** P; PAFR  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR227163 representing NM\_001081211  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGAGCACAAATGGCTCCTTTCGTGTGGATTCTGAGTTTCGATACAGCTCTTCCGATTGTTTACAGTG  
TCATCTTTATACTGGGGTGGTTGCCAACGGCTATGTGCTATGGGTCTTGGCTAACTGTACCCTCCAA  
GAACTAAATGAGATAAAGATCTTTATGGTGAATCTCACTATGGCTGACCTGCTCTTCTGATCACCTC  
CCACTGTGGATTGTCTACTACTACAACGAGGGCGACTGGATTCTACCAACTTCTGTGCAACGTGGCTG  
GCTGCCTCTTCTCATCAATACCTACTGCAGTGTGGCCTTTTTGGGTGTCATCACTATAACCGCTACCA  
GGCAGTAGCCTATCCCATCAAGACTGCACAGGCCACCACCGCAAGCGTGGCATCTCTTTGTCCCTGATC  
ATTTGGGTATCCATTGTGGCTACTGCATCTATTTCTGGCCACAGACTCCACCAACCTAGTGCCCAATA  
AGGATGGCTCAGGCAACATCACCCGCTGCTTTGAGCATTATGAGCCATACAGTGTGCCATCCTTGTGTG  
TCATGTCTTATCGCCTTCTGCTTCTTCTCGTCTTCTTCTTATCTTCTACTGCAACTGGTATCATC  
CACACGCTGCTCACGCAGCCATGAGGCAGCAGCGAAAGCGGGGTGAAGCGGAGGGCGCTGTGGATGG  
TCTGCACGGTCTTGGCGGATTCATCATCTGTTTTGTGCCCATCACGTGGTCCAGCTGCCCTGGACCCT  
AGCAGAGTTGGCTACCAGACCAACTCCATCAGGCTATTAATGATGCCATCAAATCACCTCTGCCTC  
CTCAGCACCAACTGTGTCTTAGATCCCCTTATCTATTGCTTTCTTACCAAGAAGTCCGAAAGCACCTCA  
GTGAGAAGTTTTACAGCATGCGCAGTAGCCGGAAGTGCTCCAGAGCCACGAGTGACACGTGCACCGAGGT  
GATAGTGCCAGCCAACCAGACTCCTATTGTGTCGCTGAAAAAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR227163 representing NM\_001081211  
Red=Cloning site Green=Tags(s)

MEHNGSFRVDSEFRYTLFPIVYSVIFILGVVANGYVLWVFANLYPSKLNKIKIFMVNLTMDLLFLITL  
 PLWIVVYYNNEGDWILPNFLCNVAGCLFFINTYCSVAFLGVITYNRYQAVAYPIKTAQATTRKRGISLII  
 IWVSIVATASYFLATDSTNLVFNKDGSGNITRCFEHYEPYSVPILVVHVFIAFCFFLVFFLIFYCNLVII  
 HTLLTQPMRQQRKAGVKRRALWMVCTVLAVFIIICFVPHHVVQLPWTLAELGYQTNFHQAINDAHQITLCL  
 LSTNCVLDPVIYCFLLTKKFRKHLSEKFYSRSSRKCSRATSDTCTEVIVPANQTPIVSLKN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9020\\_b10.zip](https://cdn.origene.com/chromatograms/mm9020_b10.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001081211

**ORF Size:** 1023 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\\_001081211.2](#), [NP\\_001074680.1](#)

**RefSeq Size:** 1820 bp

**RefSeq ORF:** 1026 bp

**Locus ID:** 19204

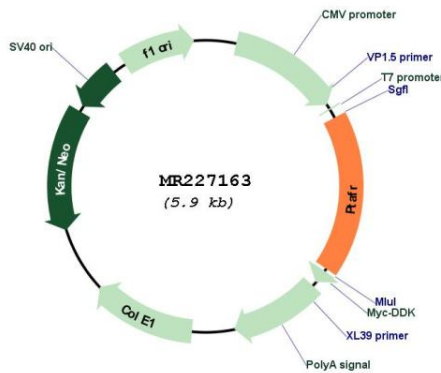
**UniProt ID:** [Q62035](#)

**Cytogenetics:** 4 65.56 cM

**MW:** 39.6 kDa

**Gene Summary:** This gene encodes a member of the G-protein coupled receptor 1 family of proteins. Binding of the encoded protein to its phospholipid ligand, platelet-activating factor (PAF), may regulate the inflammatory response and the perception of pain. Homozygous knockout mice for this gene exhibit impaired anaphylactic response, resistance to bacterial infection, and reduced pain-related behavior. [provided by RefSeq, Aug 2015]

### Product images:



Circular map for MR227163