

## Product datasheet for RR214303

### Ptgfr (NM\_013115) Rat Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | Ptgfr (NM_013115) Rat Tagged ORF Clone                                      |
| Tag:                      | Myc-DDK   |
| Symbol:                   | Ptgfr   |
| Synonyms:                 | PF2AR   |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-Entry (PS100001)  |
| E. coli Selection:        | Kanamycin (25 ug/mL)  |
| ORF Nucleotide Sequence:  | >RR214303 representing NM_013115<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCCATAAACAGTTCCAAGCAGCCGGCGTCTCTGCAGCTGGACTCATCGCCAACACGACTTGCCAGA  
CGGAGAACCGGCTTTCAGTGTCTTTTCAATAATCTTCATGACGGTGGGATTGTATCTAACAGCCTGGC  
CATTGCCATCCTCATGAAGGCATATCAGAGATTTAGACGGAAGTCGAAGGCTTCTTCTGCTCTTGGCT  
AGTGGCCTGGTGATCACAGACTTCTTCGGCCACCTCATCAACGGAGGGATAGCTGTCTTCGTATACGCTT  
CTGATAAAGACTGGATCCGCTTCGATCAATCGAACATCCTGTGCAGTGTTTTGGGATCTCCATGGTGTT  
CTCTGGCTTGTGCCACTTTTCTGGGCAGTACGATGGCCATTGAGAGGTGCATCGGGGTACCAACCCCT  
CTATTCCTACTCTACAAAGATCACGTCTAAGCATGTGAAAATGATACTGAGCGGTGTGTGCATGTTTGCTG  
TCTTCGTGGCCCTGTTGCCCATCCTTGGACACCGAGATTATCAAATCCAAGCATCCAGAACTTGGTGCTT  
CTACAACACAGAGCACATCGAAGACTGGGAAGACAGGTTCTATCTCTTGTCTTTTCTTCCCTGGGACTC  
TTAGCTCTCGGCATCTCATTCTCGTGCAACGCCGTCACGGGAGTCACACTTTTGGAGTGAAGTTTAGAA  
GTCAGCAGCACAGGCAAGGCAGGCTCACCACCTGGAGATGGTCATTAGCTCCTGGCCATAATGTGTGT  
CTCCTGCGTCTGCTGGAGTCCCTTCTGGTGACGATGGCCAACATTGCAATCAATGGAAAATATCCCA  
GTGACCTGTGAGACGAGCTCTTTGCTCTCCGAATGGCAACCTGGAACCCAGATATTAGACCCCTGGGTCT  
ACATTCTGCTACGGAAGGCTGTCCTTAGGAACCTGTACAAGCTTGCCAGTCGCTGCTGTGGAGTGAACAT  
CATCAGCTTGACATCTGGAACTCAGCTCCATCAAGAATTCCTTAAAGTTGCTGCTATCTCTGAGTCA  
CCGGCTGCAGAGAAGGAGAATCAGCAAGCATCTAGTGAGGCTGGACTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >RR214303 representing NM\_013115  
 Red=Cloning site Green=Tags(s)

MSINSSKQPASSAAGLIANTTCQTENRLSVFFSIIIFMTVGIVSNSLAIAILMKAYQRFRRKSKASFLLLA  
 SGLVITDFFGHLINGGIAVFVYASDKDWIRFDQSNILCSVFGISMVFGSLCPLFLGSTMAIERCIGVTNP  
 LFHSTKITSKHVKMILSGVCMFAVAVFVALLPILGHRDYQIQASRTWCFYNTHEHIEDWEDRFYLLFFSSLGL  
 LALGISFSCNAVTVGVTLLRVKFRSQHRQGRSHHLEMIQQLLAIMCVSCVCWSPFLVTMANIAINGNNSP  
 VTCETTLFALRMATWNQILDWPVYILLRKAVLRNLYKLASRCCGVNIISLHIWELSSIKNSLKVAAISES  
 PAAEKENQQASSEAGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_013115

**ORF Size:** 1098 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\\_013115.1](#), [NP\\_037247.1](#)

**RefSeq Size:** 3000 bp

**RefSeq ORF:** 1101 bp

**Locus ID:** 25652

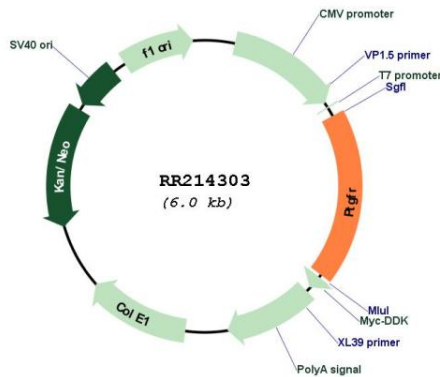
**UniProt ID:** [P43118](#)

**Cytogenetics:** 2q45

**MW:** 40.7 kDa

**Gene Summary:** receptor for prostaglandin F2; activation induces signaling via increased intracellular calcium [RGD, Feb 2006]

**Product images:**



Circular map for RR214303