

## Product datasheet for **RR207014**

### **Pdgfra (NM\_012802) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pdgfra (NM\_012802) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Pdgfra  
**Synonyms:** APDGFR; PDGFACE  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RR207014 representing NM\_012802  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGATCGCC

ATGGGGACCTCCCAGGCCTTTCTGGTCTCAGCTGTCTCCTCACAGGGCCGAGCCTCATCGTCTGCCAGC  
 TCTTATTACCCTCCATCCTTCCAAATGAGAATGAGAAGATTGTGCCGCTGAGTTCGTCTCTCTGAG  
 ATGCTTCGGGGAGAGCGAAGTGAGCTGGCAGCACCCCATGTCTGAAGAAGAGGACCCCAACGTGGAAATC  
 AGAACCGAGGAGAACAACAGTAGCCTCTTTGTCACGGTGTGGAAGTGGTCAACGCCTCAGCGGCCACA  
 CCGGATGTTACACTTGCTATTACAACCACACTCAGACAGAAGAGAGTGAGATCGAAGGCAGGCACATTTA  
 TATCTATGTACCAGCCAGACATGGCCTTCGTGCCTCTCGGCATGACGGATTCTTTAGTCATTGTGGAA  
 GAGGACGATTCTGCCATCATACCCTGCCGACCCACGGATCCAGACACTGAAGTAACCTTGCACAATAACG  
 GGAGGCTGGTGCCTGCCTCCTACGACAGCAGGCAGGGCTCAACGGAACTTCAGTGTGGGGCTTACAT  
 CTGTGAGGCCACCGTCAGAGGGAGGACGTTCAAGACCAGCGAGTTTAAACGTTTATGCCTTGAAGCCACG  
 TCAGAAGTGAATCTGGAGATGGACACGCCAGACTGTGTATAAGGCAGGAGAAACGATCGTGGTGACCT  
 GCGCCGCTTTAAACAATGAGGTGGTTGACCTGCAGTGGACTTACCTGGAGAGGTGAGAAACAAAGGCAT  
 CACCATGCTGGAGGAGATCAAACCTCCGTCATCAAACCTGGTGTACACGCTGACCGTCCCCAAGGCCACG  
 GTGAAGGACAGTGGAGATTATGAATGTGCTGCCGCCAGGCCAGAAAGAGGTCAAGGAAATGAAGACAC  
 TCACCATTTCTGTTACAGAGAAAGGCTTCGTCCAGATCAGGCCACCTTTGGCCATCTGGAAACTGTGAA  
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 TGACGACGACATGAAGAGCTACACGTTTGGCTGTCAACTCTAGTTCTGCCTCCATTCTGGAGCTTGTG  
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 TCGAGTGGATGATCTGCAAGGATATTAAGAAATGTAATAATGACACTTCATGGACAGTTTTGGCCAGCAA  
 CGTCTCGAATATTATCACGGAGTCCACCAGCGAGGCAGGAGTACAGTGGAGGGACGAGTGTCTTCGCC



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AAGGTGGAAGAGACCATCGCAGTTCGGTCTTGGCAAAGAACGACCTTGGCATTGGGAACAGAGAGCTGA  
 AGCTGGTGGCTCCCACCCTGCGATCTGAGCTCACGGTGGCGGCCGCGGTGCTGGTGTGTTGGTGATTGT  
 CATTGTCTCTCATTGTCTGGTTGTCATTTGGAAGCAGAAACCACGGTATGAAATTCGATGGAGGGTC  
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 GATGGGAGTCCCAGAGATGGACTAGTCTGGTGGTCCGATCTTGGGATCCGGTGCATTTGGGAAAGTGGT  
 TGAAGGCACAGCTTATGGATTAAGCCGGTCCCAGCCTGTAAAGAGTGGCTGTGAAGATGCTCAAACCC  
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 GGATACAGGATGGCCAAACCCGACCATGCCACCAGTGAAGTCTATGAGATTATGGTGCAGTGTGGAACA  
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 ATATTGGCATAGATTCTCAGACCTGGTGGAGGACAGCTTCTCTG

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR207014 representing NM\_012802  
 Red=Cloning site Green=Tags(s)

MGTSQAFVLVLSCLLTGPSLIVCQLLLPSILPNENEKIVPLSSSFLRCFGESEVSWQHPMSEEDPNVEI  
 RTEENSSSLFVTLEVVNASAAHTGWYTCYNNHTQTESEIEGRHIYIYVDPDPMFVPLGMTDSLIVIVE  
 EDDSAIIPCRTTDPDTEVTLHNNRGLVPASYDSRQGFNGTFSVGPYICEATVRGRFTKSEFNVAALKAT  
 SELNLEMDTRQTVYKAGETIVVTCVFNNEVVDLQWYTPGEVRNKGITMLEEIKLPSIKLVYTLVTPKAT  
 VKDSGDYECARQATKEVKEMKVTIISVHEKGFVQIRPTFGHLETVNLHQVREFVVEVQAYPTPRISWLK  
 DNLTLEINLTEITTDVQRSQETRYQSKLKLIRAKEEDSGHYTIIIVQNDDMKSYFELSTLVPASILELV  
 DDHHGSGGGQTVRCTAEGTPLPNIEWMICKDIKKNNDTSWTVLASNVSNIIITEFHQRGRSTVEGRVSFA  
 KVEETIAVRCLAKNDLIGNRELKLVAPTLRSELTVAAAVLVLLVIVIVSLIVLVVIWKQKPRYEIRWRV  
 IESISPDGHEYIYVDPMLPYDSRWEFPRDGLVLGRILGSGAFGKVVVEGTAYGLSRSQPMVKVAVKMLKP  
 TARSSEKQALMSELKIMTHLGPLNIVNLLGACTKSGPIYIITEYCFYGDLVNVLHKNRDSFMSRHPEKP  
 KKDLIDIFGLNPADESTRSYVILSFENNGDYVDMKQADTTQYVPMLEKEVSKYSIDIQRSLYDRPASVYKKK  
 SMLDSEAKNLLSDDSEGLTLLDLLSFTYQVARGMEFLASKNCVHRDLAARNVLLAQGKIVKICDFGLAR  
 DIMHDSNYVSKGSTFLPVKWMAPESIFDNLYTTLSDVWSYGVLLWEIFSLGGTPYPGMMVDSTFYNKIKS  
 GYRMAKPDHATSEVYEIMVQCWNSEPEKRPSFYHLSEIVENLLPGQYKKSYEKIHLDLFLKSDHPAVARMR  
 VDSNAYIGVTYKNEEDKLEWEGGLDEQRLSADSGYIIPLPDIDPVPEEEDLGKRNHRHSSQTSEESAIE  
 TGSSSSTFIKREDETIEDIDMMDDIGIDSSDLVEDSFL

SGPTRRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/ja3151\\_c01.zip](https://cdn.origene.com/chromatograms/ja3151_c01.zip)



**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\\_012802.1](#), [NP\\_036934.1](#)

**RefSeq Size:** 6532 bp

**RefSeq ORF:** 3267 bp

**Locus ID:** 25267

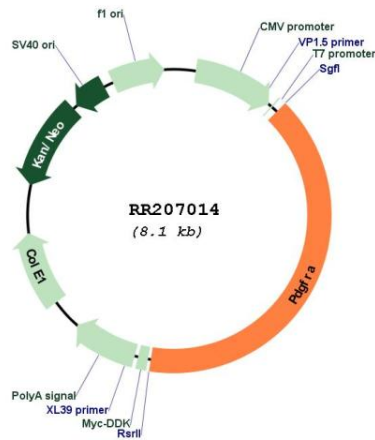
**UniProt ID:** [P20786](#)

**Cytogenetics:** 14p11

**MW:** 122.7 kDa

**Gene Summary:** acts as a receptor tyrosine kinase for PDGF; may play a role in glial cell generation [RGD, Feb 2006]

**Product images:**



Circular map for RR207014