

Product datasheet for **RN207014**

Pdgfra (NM_012802) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pdgfra (NM_012802) Rat Untagged Clone
Tag: Tag Free
Symbol: Pdgfra
Synonyms: APDGFR; PDGFACE
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN207014 representing NM_012802
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGACCTCCCAGGCCTTTCTGGTCTCAGCTGTCTCCTCACAGGGCCGAGCCTCATCGTCTGCCAGC
 TCTTATTACCCTCCATCCTTCCAAATGAGAATGAGAAGATTGTGCCGCTGAGTTCGTCTCTCTGAG
 ATGCTTCGGGGAGAGCGAAGTGAGCTGGCAGCACCCCATGTCTGAAGAAGAGGACCCCAACGTGGAAATC
 AGAACCGAGGAGAACAACAGTAGCCTCTTTGTCACGGTGTGGAAGTGGTCAACGCCTCAGCGGCCACA
 CCGGATGTTACACTTGCTATTACAACCACACTCAGACAGAAGAGAGTGAGATCGAAGGCAGGCACATTTA
 TATCTATGTACCAGACCCAGACATGGCCTTCGTGCCTCTCGGCATGACGGATTCTTTAGTCAATTGTGAA
 GAGGACGATTCTGCCATCATACCCTGCCGACCCACGGATCCAGACACTGAAGTAACCTTGCACAATAACG
 GGAGGCTGGTGCCTGCCTCTACGACAGCAGGCAGGGCTCAACGGAACTTCAGTGTGGGGCTTACAT
 CTGTGAGGCCACCGTCAGAGGGAGGACGTTCAAGACCAGCGAGTTAACGTTTATGCCTTGAAGCCACG
 TCAGAAGTGAATCTGGAGATGGACACGCCAGACTGTGTATAAGGCAGGAGAAACGATCGTGGTGACCT
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 CACCATGCTGGAGGAGATCAAACCTCCGTCATCAAACCTGGTGTACACGCTGACCGTCCCCAAGGCCACG
 GTGAAGGACAGTGGAGATTATGAATGTGCTGCCCGCCAGGCCAGAAAGAGGTCAAGGAAATGAAGACAC
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 CCTGCATCAGGTGAGAGATTCTGGTGGAGGTGCAGGCCTACCCGACCCCAAGGATATCTGGTGAAG
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 GATGACCACCATGGCTCTGGCGGGGACAGACTGTGAGGTGCACGGCTGAAGGCACCCCTCTTCCGAACA
 TCGAGTGGATGATCTGCAAGGATATTAAGAAATGTAATAATGACACTTCATGGACAGTTTTGGCCAGCAA
 CGTCTCGAATATTATCACGGAGTTCACCAGCGAGGCAGGAGTACAGTGGAGGGACGAGTGTCTTCGCC



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AAGGTGGAAGAGACCATCGCAGTTCGGTCTTGGCAAAGAACGACCTTGGCATTGGGAACAGAGAGCTGA
AGCTGGTGGCTCCCACCCTGCGATCTGAGCTCACGGTGGCGGCCCGGTGCTGGTGTGTTGGTGATTGT
CATTGTCTCTCATTGTCTGGTTGTCATTTGGAAGCAGAAACCACGGTATGAAATTCGATGGAGGGTC
ATTGAGTCAATCAGCCCTGATGGACATGAGTATATTTATGTGGACCCATGCAGCTGCCTTACGACTCCA
GATGGGAGTTCAGGAGATGGACTAGTGTCTGGTCCGATCTTGGGATCCGGTGCATTTGGGAAAGTGGT
TGAAGGCACAGCTTATGGATTAAGCCGGTCCCAGCCTGTAAAGGTGGCTGTGAAGATGCTCAAACCC
ACAGCCAGGTCTAGTGAGAAGCAAGCTCTCATGTCTGAGCTGAAGATAATGACTCACTTGGGACCCGATC
TGAACATTGTGAATTTGCTGGGAGCCTGCACCAAGTCAGGCCCATTTACATCATCAGAAATACTGCTT
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TTGAAAACAATGGTGACTACGTGGACATGAAGCAGGCTGACACCACACAGTACGTGCCAATGCTGGAAAG
GAAGGAGGTTTCCAAATACTCCGACATCCAGAGATCGTGTACGATCGGCCGGCCTCTATAAGAAGAAA
TCCATGCTAGACTCAGAAGCTAAAACCTCCTTTCGGATGATGACTCCGAGGGTCTGACTTTGCTGGACC
TACTAAGCTTACCTACCAAGTGGCCCGAGGGATGGAATTTTGGCTTCGAAAAATTGTGCCACCCGGGA
CCTGGCTGCCCGAACGTCTTCTGGCGCAGGGGAAAATCGTGAAGATCTGTGACTTCGGCTGGCCAGA
GACATCATGCACGATTCTAACTACGTGTCAAAGGGCAGCACTTTCCTGCCTGTGAAGTGGATGGCACCTG
AGAGCATTTTTGACAACCTCTACACCACGCTGAGTGACGTCTGGTCTTATGGCGTTCTGCTCGGAAAT
ATTCTCCCTTGGTGGCACACCCTACCCTGGCATGATGGTTGATTCTACTTTCTACAATAAGATCAAGAGC
GGATACAGGATGGCCAAACCCGACCATGCCACCAGTGAAGTCTATGAGATTATGGTGCAGTGTGGAAACA
GTGAACCCGAAAAGAGACCCTCCTTCTACCACCTCAGCGAGATAGTGGAGAATCTGCTGCCTGGACAGTA
CAAAAAGAGTTATGAAAAGATTCACCTGGACTTCTAAAGAGTGACCATCCGGCTGTGGCACGCATGCGT
GTGGACTCTGACAACGCGTACATCGGTGTCACCTACAAAAATGAAGAGGACAAGCTGAAGGAATGGGAAG
GTGGCCTGGATGAACAGAGATTGAGCGCAGATAGTGGCTACATCATTCCCCTGCCAGACATTGACCTGT
TCCAGAGGAGGAAGACCTGGGCAAGAGGAACAGACACAGCTCGCAGACTTCGGAAGAGAGGCCCATCGAG
ACGGGTTCCAGTAGTTCCTTTCATCAAGAGAGAGGACGAGACCATTGAGGACATCGACATGATGGATG
ATATTGGCATAGATTCTCAGACCTGGTGGAGGACAGCTTCTGTAA
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AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA
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Chromatograms: https://cdn.origene.com/chromatograms/ja2039_d01.zip

Restriction Sites: SgfI-RsrII

ACCN: NM_012802

Insert Size: 3267 bp

OTI Disclaimer: 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.

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](#)

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:	<u>NM_012802.1</u> , <u>NP_036934.1</u>
RefSeq Size:	6532 bp
RefSeq ORF:	3267 bp
Locus ID:	25267
UniProt ID:	<u>P20786</u>
Cytogenetics:	14p11
Gene Summary:	acts as a receptor tyrosine kinase for PDGF; may play a role in glial cell generation [RGD, Feb 2006]