

Product datasheet for **MC229357**

Pdgfra (NM_011058) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pdgfra (NM_011058) Mouse Untagged Clone
Tag: Tag Free
Symbol: Pdgfra
Synonyms: A115593; CD140; CD140a; Pdgfr; Pdgfr-2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229357 representing NM_011058
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGGACCTCCCACCAGGTCTTTCTGGTCTCAGCTGTCTCCTCACAGGGCCGGCCTCATCTCCTGCC
AGCTCTTATTACCCTCTATCCTCCAAACGAGAATGAGAAGATTGTGCAGCTGAATTCGCTTTTCTCT
GAGATGCGTTGGGAGAGTGAAGTGAGCTGGCAGCACCCCATGTCTGAAGAAGACACCCCAACGTGGAA
ATCAGAAGTGAGGAGAACAACAGTGGCCTCTTTGTACAGTGCTGGAAGTGGTTAACGCCTCCGAGCCC
ACACCGGATGGTACACTTGCTACTACAACCACACTCAGACGGATGAGAGTGAGATCGAAGGCAGGCACAT
TTACATCTATGTACCAGACCCAGACATGGCCTTTGTGCCTCTCGGGATGACCGATTCTTAGTCATCGTG
GAAGAGGATGACTCTGCCATCATACCTTGCCGCACCACAGATCCGGAGACTCAAGTAACCTTGACAATA
ACGGGAGGCTGGTGCCTGCCTCCTATGACAGCAGGCAGGGCTTCAACGGAACCTCAGCGTGGGGCCTTA
CATCTGTGAGGCCACCGTCAAAGGGAGGACGTTCAAGACCAGCGAGTTAATGTTTATGCCTTGAAGCA
ACGTGAGAACTGAATCTGGAGATGGACGCACGCCAGACTGTGTATAAGGCAGGAGAAACGATCGTGGTGA
CCTGTGCCGTCTTAAACAACGAGGTGTTGACCTGCAGTGGACTTACCCTGGAGAAGTGAGAAACAAGG
TATCACCATGCTGGAGGAGATCAAACCTCCATCCATCAAACCTGGTGTACACTTTGACCGTCCCAAGGCC
ACGGTGAAGGACAGTGGAGAGTATGAATGTGCTGCCCGTCAGGCCACTAAAGAGGTCAAGGAAATGAAGA
GAGTACCATTTCTGTCCACGAGAAAGGCTTCGTGAGATTGAGCCACCTTTGGCCAGCTGGAAGCTGT
CAACTTGACGAAGTCAAGAGTTCGTGGTGGAGGTGCAGGCCTACCCGACGCCAGGATATCGTGGCTG
AAGGACAACCTTGACTCTGATAGAGAATCTACCGAGATCACCCTGATGTACAGAAGAGTCAAGAAACAA
GGTATCAGAGCAAATTAAGCTGATCCGGGCTAAGGAAGAAGACAGTGGCCATTACACCTTATAGTTCA
AAATGAGGATGACGTGAAGATTACACGTTTGTGCTGTCAACCTAGTTCTGCTCCATTTTGGATCTC
GTAGATGACCACCATGGCTCTGGCGGGGACAGACTGTGAGGTGTACAGCCGAAGGCACCCCTCTCCAG
AAATCGACTGGATGATCTGCAAGCATATTAAGAAATGTAATAATGACACTTCGTGGACAGTTTTGGCCAG
CAATGTCTCAAATATTATCACAGAGCTCCCTCGCCGTGGCAGGAGTACCGTGGAGGGACGAGTGTCTTC
GCCAAAGTGAAGAGACCATCGCAGTTCGATGCCTGGCAAAGAACAACCTCAGCGTTGTGGCCCGTGAGC



TGAAGCTGGTGGCTCCCACTCTGCGATCTGAACTCACAGTGGCGCCGCAGTGTTGGTGCTGTTGGTGAT
 TGTCAATTGCTCTCTCATCGTCCTGGTGGTCATTTGGAAGCAGAAACCACGGTATGAAATTCGCTGGAGG
 GTTATCGAGTCAATCAGCCCCGATGGACATGAGTATATCTATGTGGACCCCATGCAGTTGCCTTACGACT
 CCAGATGGGAATCCCGAGAGATGGCCTCGTGCTTGGTCGGATTTTGGGATCCGGTGCATTTGGGAAAGT
 GGTCGAAGGTACAGCTTATGGATTAAGCCGGTCCCAACCTGTAAATGAAGGTGGCTGTGAAGATGCTCAA
 CCCACAGCCAGGTCTAGTGAAGAGCAGGCTCTCATGTCTGAGCTGAAGATAATGACTCACCTGGGCCAC
 ATTTGAACATTTGAACTTGTGGGAGCCTGCACCAAGTCAGTCCCATTACATCATCACAGAATACTG
 CTTCTATGGGGATTTGGTCAACTACTTGCATAAGAACAGAGATAGCTTTCATGAGCCAACACCCAGAGAAG
 CCGAAGAAAGACCTGGACATCTTTGGATTGAATCCTGCAGACGAGAGCACAAGAAGTTATGTGATTTTGT
 CTTTTGAAAATAACGGCGACTACATGGACATGAAGCAAGCTGATACCACACAGTATGCCCCATGTTGA
 AAGGAAAGAGGTTTCTAAATACTCTGACATCCAGAGATCGCTGTACGATCGGCCAGCCTCTACAAGAAG
 AAATCCATGCTAGACTCAGAAGTCAAAAACCTCCTTTCCGACGATGACTCCGAGGGTCTGACTTTGCTGG
 ATCTATTGAGCTTCACTATCAAGTTGCTCGAGGAATGGAATTTTGGCTTCGAAAATTTGTGCCACCG
 GGACCTGGCTGCCCGAACGTCCTCCTGGCGCAAGGAAAATTTGGAAGATCTGTGATTTTGGCCTGGCC
 AGAGACATCATGCACGATTCCAACCTACGTCGTCAAAAGGCAGTACTTTCCTGCCTGTGAAGTGGATGGCAC
 CCGAGAGCATCTTCGACAACCTCTACACCACGCTGAGTGACGCTGGTCCCTATGGCATTCTGCTCTGGGA
 AATCTTTTCCCTTGGTGGCACACCTATCCTGGCATGATGGTCGATTCTACTTTCTACAATAAGATCAAG
 AGTGGATACCGGATGGCCAAACCTGACCATGCCACCAGTGAAGTCTATGAGATCATGGTGCAGTGCCTGGA
 ACAGTGAGCCCGAGAAGAGACCTCCTTCTACCACCTCAGCGAGATAGTGGAGAACCTGTTGCCGGGACA
 ATACAAGAAGAGTTATGAAAAGATTACCTGGACTTCTAAAGAGTGACCATCCGGCCGTGGCACGCATG
 CGGGTGGACTCTGATAATGCGTACATCGGTGTCACTTACAAAAATGAAGAGGATAAGCTGAAGGACTGGG
 AAGGTGGCCTGGACGAACAGAGACTGAGCGCTGACAGTGGCTACATCATCCCCCTGCCAGACATTGACCC
 TGTTCCAGAGGAGGAAGACCTGGCAAGAGGAACAGACACAGCTCACAGACTTCGGAAGAGAGTGCCATC
 GAGACAGGTTCCAGTAGTTCACCTTTCATCAAGAGAGAGGACGAGACCATCGAGGACATCGACATGATGG
 ATGACATTGATAGATTCTCGGACCTGGTGGAGGACAGCTTCTCTG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:

NM_011058

Insert Size:

3270 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](#)

OTI Annotation:

Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_011058.2</u> , <u>NP_035188.2</u>
RefSeq Size:	6553 bp
RefSeq ORF:	3270 bp
Locus ID:	18595
UniProt ID:	<u>P26618</u>
Cytogenetics:	5 39.55 cM
Gene Summary:	<p>This gene encodes a member of the receptor tyrosine kinase family of proteins. Binding of platelet-derived growth factor protein ligands to this receptor triggers receptor dimerization and autophosphorylation, resulting in the activation of several downstream signaling pathways. Signaling through the encoded receptor plays a role in gastrulation and the development of nearly all organ systems. Mice lacking a functional copy of this gene reportedly exhibit defects in lung, skeleton, testis and the central nervous system, and die soon after birth. Alternative splicing and intronic polyadenylation of gene transcripts have been implicated in muscle regeneration and fibrosis in adult mice. [provided by RefSeq, Jan 2017]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same isoform (1).</p>