

Product datasheet for MR231568

Pdgfra (NM_011058) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pdgfra (NM_011058) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pdgfra
Synonyms: A115593; CD140; CD140a; Pdgfr; Pdgfr-2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR231568 representing NM_011058
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGACCTCCCACCAGGTCTTTCTGGTCTCAGCTGTCTCCTCACAGGGCCGGGCTCATCTCTGCC
 AGCTCTTATTACCCTCTATCCTCCCAAACGAGAATGAGAAGATTGTGCAGCTGAATTCGCTTTTCTCT
 GAGATGCGTTGGGAGAGTGAAGTGAGCTGGCAGCACCCCATGTCTGAAGAAGACGACCCCAACGTGGAA
 ATCAGAAGTGAGGAGAACAACAGTGGCCTCTTTGTACAGTGTGGAAGTGGTTAACGCCTCCGAGCC
 ACACCGGATGGTACACTTGCTACTACAACCACACTCAGACGGATGAGAGTGAGATCGAAGGCAGGCACAT
 TTACATCTATGTACCAGACCCAGACATGGCCTTTGTGCCTCTCGGGATGACCGATTCCCTTAGTCATCGTG
 GAAGAGGATGACTCTGCCATCATACCTTGCCGACCCACAGATCCGGAGACTCAAGTAACCTTGACAATA
 ACGGGAGGCTGGTGCCTCCTATGACAGCAGGCAGGGCTTCAACGGAACCTTCAGCGTGGGGCTTA
 CATCTGTGAGGCCACCGTCAAAGGGAGGACGTTCAAGACCAGCGAGTTTAAATGTTTATGCCTTGAAGCA
 ACGTCAGAACTGAATCTGGAGATGGACGCACGCCAGACTGTGTATAAGGCAGGAGAAACGATCGTGGTGA
 CCTGTGCCGTCTTAAACAACGAGGTCGTTGACCTGCAGTGGACTACCCTGGAGAAGTGAGAAACAAGG
 TATCACCATGCTGGAGGAGATCAAACCCATCCATCAAACCTGGTGTACACTTTGACCGTCCCAAGGCC
 ACGGTGAAGGACAGTGGAGAGTATGAATGTGCTGCCGTCAGGCCACTAAAGAGGTCAAGGAAATGAAGA
 GAGTCACCATTTCTGTCCACGAGAAAGGCTTCGTCGAGATTGAGCCACCTTTGGCCAGCTGGAAGCTGT
 CAACTTGACGAAGTCAGAGAGTTCGTGGTGGAGGTGCAGGCCTACCCGACGCCAGGATATCGTGGCTG
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 GGTATCAGAGCAAATTAAGCTGATCCGGGCTAAGGAAGAAGACAGTGGCCATTACACCATTATAGTTCA
 AAATGAGGATGACGTGAAGATTACACGTTTGTGCTGCAACCCAGTTCCTGCATCCATTTTGGATCTC
 GTAGATGACCACCATGGCTCTGGCGGGGACAGACTGTGAGGTGTACAGCCGAAGGCACCCCTCTCCAG
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 CAATGTCTCAAATATTATCACAGAGCTCCCTCGCCGTGGCAGGAGTACCGTGGAGGGACGAGTGTCTTC



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GCCAAAGTGAAGAGACCATCGCAGTTCGATGCCTGGCAAAGAACAACCTCAGCGTTGTGGCCCGTGAGC
 TGAAGCTGGTGGCTCCCCTCTGCGATCTGAACCTCACAGTGGCGGCCGAGTGTGGTGCTGTTGGTGAT
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 TGTTCAGAGGAGGAAGACCTGGGCAAGAGGAACAGACAGCTCACAGACTTCGGAAGAGAGTGGCCATC
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 ATGACATTGGTATAGATTCTCGGACCTGGTGGAGGACAGCTTCTCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR231568 representing NM_011058
 Red=Cloning site Green=Tags(s)

MGTSHQVFLVLSCLLTGPGILISQLLLPSILPNEKIVQLNSSFSLRCVGESEVSWQHPMSEEDDPNVE
 IRSEENNSGLFVTVLEVVNASAAHTGWYTCYNNHTQDESEIEGRHIYIYVDPDPMFVPLGMTDSLIVIV
 EEDDSAIIIPCRTTDPETQVTLHNNGRVLPASYDSRQGFNGTFVSGPYICEATVKGRFTKSEFNVAALKA
 TSELNLEMDARQTVYKAGETIVVTCVFNNEVDLQWYTPGEVRNKGITMLEEIKLPSIKLVYTLVTPKA
 TVKDSGEYECARQATKEVKEMKRVTISVHEKGFVEIEPTFGQLEAVNLHEVREFVVEVQAYPTPRISWL
 KDNLTLIENLTEITTDVQKSQETRYQSKLKLIRAKEEDSGHYTIIIVQNEDDVKSYFELSTLVPASILDL
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 AKVEETIAVRCLAKNNLSVVARELKLVAPTLRSELTVAAAVLVLLVIVIVSLIVLVVIWKQKPRYERWR
 VIESISPDGHEYIYVDPMLPYDSRWEFPRDGLVLRILGSGAFGKVVVEGTAYGLSRSQPMKVAVKMLK
 PTARSSEKQALMSELKIMTHLGPHLNIVNLLGACTKSGPIYIITEYCFYGDVNYLHKNRDSFMSQHPK
 PKKDLDFGLNPADESTRSYVILSFENNGDYMDMKQADTTQYVPLMERKEVSKYSIDIQRSLYDRPASYKK
 KSMLDSEVKNLLSDDSEGLTLLDLLSFTYQVARGMEFLASKNCVHRDLAARNVLLAQGKIVKICDFGLA
 RDIMHDSNYVSKGSTFLPVKWMAPESIFDNLTYTLSDVWSYGILLWEIFSLGGTPYPMVMVDSTFYNKIK
 SGYRMAKPDHATSEVYEIMVQCWNSEPEKRPSFYHLSEIVENLLPGQYKKSIEKIHLDLFLKSDHPAVARM
 RVDSDNAYIGVTYKNEEDKLDKWEGLDEQRLSADSGYIIPLDIDPVEEEDLGKRNHRSSQTSEESAI
 ETGSSSTFIKREDETIEDIDMDDIGIDSSDLVEDSFL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_011058

ORF 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

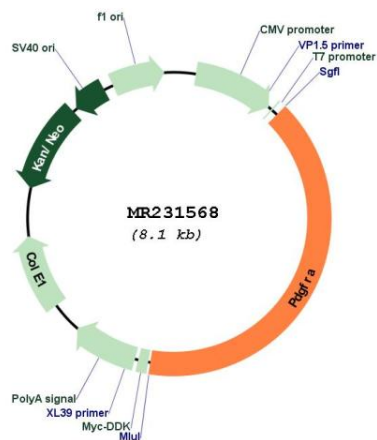
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_011058.3](#)
 RefSeq Size: 6553 bp
 RefSeq ORF: 3270 bp
 Locus ID: 18595
 UniProt ID: [P26618](#)
 Cytogenetics: 5 39.55 cM
 MW: 122.7 kDa

Gene Summary: 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]

Product images:



Circular map for MR231568