

Product datasheet for **RC600016A1V**

Human PDGF Receptor alpha (PDGFRA) (NM_006206) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human PDGF Receptor alpha (PDGFRA) (NM_006206) AAV Particle
Tag:	Myc-DDK
Symbol:	PDGF Receptor alpha
Synonyms:	CD140A; PDGFR-2; PDGFR2
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC600016 representing leader sequence plus the extracellular domain region of NM_006206

Red=Cloning site Blue=ORF Green=Tags(s)

GTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCTGGTACCGAGGAGATCCGCCGCCG
CGATCGCC

ATGGGGACTTCCCATCCGGCGTTCTGGTCTTAGGCTGTCTTCTCACAGGGCTGAGCCTAATCCTCTGCC
AGCTTTTATTACCTCTATCCTTCCAAATGAAAATGAAAAGGTTGTGCAGCTGAATTCATCCTTTTCTCT
GAGATGCTTTGGGAGAGTGAAGTGAGCTGGCAGTACCCCATGTCTGAAGAAGAGAGCTCCGATGTGAA
ATCAGAAATGAAGAAAACAACAGCGGCTTTTGTGACGGTCTTGAAGTGAGCAGTGCCTCGCGGCC
ACACAGGGTGTACACTTGCTATTACAACCACACTCAGACAGAAGAGAATGAGCTTGAAGGCAGGCACAT
TTACATCTATGTCCAGACCCAGATGTAGCCTTTGTACCTCTAGGAATGACGGATTATTTAGTCATCGTG
GAGGATGATGATTCTGCCATTATACCTTGTGCGACAACCTGATCCCGAGACTCCTGTAACCTTACACAACA
GTGAGGGGGTGGTACCTGCTCTACGACAGCAGACAGGGCTTTAATGGGACCTTCACTGTAGGGCCCTA
TATCTGTGAGGCCACCGTCAAAGGAAAGAAATTCCAGACCATCCATTTAATGTTTATGCTTTAAAGCA
ACATCAGAGCTGGATCTAGAAATGGAAGCTCTTAAACCGTGTATAAGTCAGGGGAAACGATTGTGGTCA
CCTGTGCTGTTTTAACAAATGAGGTGGTTGACCTTCAATGGACTTACCCTGGAGAAGTGAAGGCAAGG
CATCACAATGCTGGAAGAAATCAAAGTCCCATCCATCAAATTTGGTGTACACTTTGACGGTCCCCGAGGCC
ACGGTGAAGACAGTGGAGATTACGAATGTGCTGCCGCCAGGCTACCAGGGAGGTCAAAGAAATGAAGA
AAGTCACTATTTCTGTCCATGAGAAAGGTTTCATTGAAATCAAACCCACCTTCAGCCAGTTGGAAGCTGT
CAACCTGCATGAAGTCAAACATTTTGTGTAGAGGTGCGGGCTACCCACCTCCAGGATATCCTGGCTG
AAAAACAATCTGACTCTGATTGAAAATCTCACTGAGATCACCCTGATGTGAAAAGATTGAGAAATAA
GGTATCGAAGCAAATTAAGCTGATCCGTGCTAAGGAAGAAGACAGTGGCCATTATACTATTGTAGCTCA
AAATGAAGATGCTGTGAAGAGCTATACTTTGAACTGTTAACTCAAGTTCCTTCATCCATTCTGGACTTG
GTCGATGATCACCATGGCTCACTGGGGGACAGACGGTGAAGTGCACAGCTGAAGGCACGCCGCTTCTG
ATATTGAGTGGATGATATGCAAAGATATTAAGAAATGTAATAATGAACTTCTGGACTATTTTGCCAA
CAATGTCTCAACATCATCAGGAGATCCACTCCCGAGACAGGAGTACCGTGGAGGGCCGTGTGACTTTC
GCCAAAGTGGAGGAGACCATCGCGTGCATGCCTGGCTAAGAATCTCCTTGGAGCTGAGAACCAGAGAGC
TGAAGCTGGTGGCTCCACCCTGCGTTCTGAATCAGGTGGCT

ACGCGTTCAGGCGACTACAAGGATGACGACGATAAGGGATCTCATCATCACCATCACCATTAAATGAGATC
TGGTACCGATATCAAGCTTGTGACTCTAGA

Protein Sequence:

>RC600016 representing signal peptide plus the extracellular domain region of NM_006206

Red=Cloning sites Green= DDK and 6XHIS Tags

MGTSHPAFLVLGCLLTGLSLILCQLSLPSILPNENKVVQLNSSFSLRCFGESEVSWQYPMSEESSDVE
IRNEENNSGLFVTVLEVSSASAAHTGLYTCYNNHTQTEENELEGRHIYIYVDPDVAFAVPLGMTDYLIV
EDDDSAIIPCRTPDPETPVTLHNSEGVPVPSYDSRQGFNGFTVGPYICEATVKGKFKQTIPFNYYALKA
TSELDLEMEALKTVYKSGETIVVTCVFNNEVVDLQWTYPGEVKGKGITMLEEIKVPSIKLVYTLTVPEA
TVKDSGDYECARQATREVKEMKVTISVHEKGFIEIKPTFSQLEAVNLHEVKHFVVEVRAYPPPRISWL
KNNLTLIENLTEITDVEKIQEIRYRSKLKLIRAKEEDSGHYTIVAQNEDAVKSYTFELLTQVPSSILD
VDDHHGSTGGQTVRCATAGTLPDIEWMICKDIKKCNNETSWTILANNVSNIIITEIHSRDRSTVEGRVTF
AKVEETIAVRCLAKNLLGAENRELKLVAPTLRSELTVA

TRSGTRSGDYKDDDDKGSHHHHHH

Species:

Human

Serotype:

AAV-2

ACCN:

NM_006206

ORF Size:	3028 bp
Buffer:	PBS with 0.001% Pluronic F68
Stability:	AAV is stable for 1 year when stored at -80°C (long-term storage) or 2-3 weeks when stored at -20°C (short-term storage). Thaw the vial of AAV on ice prior to use and keep it on ice during the experiment. Thawed AAV can be stored at 4°C for 1-2 weeks. Whenever possible, particles should be aliquoted into single use portions to avoid repeated freeze/thaw cycles. Please aliquot at least 10ul per tube and use low protein binding tubes to avoid loss of virus.
RefSeq:	<u>NM_006206.4, NP_006197.1</u>
RefSeq Size:	6574 bp
RefSeq ORF:	3270 bp
Locus ID:	5156
UniProt ID:	<u>P16234</u>
Cytogenetics:	4q12
MW:	58.9 kDa