

Product datasheet for **RC600037A1V**

Human Eph receptor A1 (EPHA1) (NM_005232) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Eph receptor A1 (EPHA1) (NM_005232) AAV Particle
Tag:	Myc-DDK
Symbol:	Eph receptor A1
Synonyms:	EPH; EPHT; EPHT1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC600037 representing leader sequence plus the extracellular domain region of NM_005232

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

GTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCTGGTACCGAGGAGATCCGCCGCCG
CGATCGCC

ATGAGCGGCGCTGGCCCTGGGGCTAGGGCTGGTGTCTGCTCTGCGCCCCGCTGCCCGGGGGCGC
GCGCCAAGGAAGTTACTCTGATGGACACAAGCAAGGCACAGGAGAGCTGGGCTGGTGTGGATCCCC
AAAAGATGGGTGGAGTGAACAGCAACAGATACTGAATGGGACACCCCTGTACATGTACCAGGACTGCCCA
ATGCAAGGACGCAGAGACTGACCACTGGCTTCGCTCCAATTGGATCTACCGCGGGGAGGAGGCTTCCC
GCGTCCACGTGGAGCTGCAGTTCACCGTGGGGACTGCAAGAGTTTCCCTGGGGAGCCGGGCTCTGGG
CTGCAAGGAGACCTTCAACCTTCTGTACATGGAGAGTGACCAGGATGTGGGCATTAGCTCCGACGGCCC
TTGTTCCAGAAGGTAACCACGGTGGCTGCAGACCAGAGCTTACCATTGAGACCTTGTGTCTGGCTCCG
TGAAGCTGAATGTGGAGCGCTGCTCTGGGCCGCTGACCCGCGTGGCTCTACCTCGCTTTCCACAA
CCCGGGTGCCTGTGTGGCCCTGGTGTCTGTCCGGGTCTTCTACCAGCGCTGTCTGAGACCTGAATGGC
TTGGCCCAATTCAGACACTCTGCCTGGCCCCGCTGGGTGGTGAAGTGGCGGGGACCTGCTTGGCCC
ACGCGCGGGCCAGCCCCAGGCCCTCAGGTGCACCCGCATGACTGCAGCCCTGATGGCGAGTGGCTGGT
GCCTGTAGGACGGTGCCACTGTGAGCCTGGCTATGAGGAAGGTGGCAGTGGCGAAGCATGTGTTGCCTGC
CCTAGCGGCTCCTACCGATGGACATGGACACACCCATTGTCTACGTGCCCGGAGCAGAGCACTGCTG
AGTCTGAGGGGGCCACCATCTGTACCTGTGAGAGCGGCCATTACAGAGCTCCCGGGGAGGGCCCCAGGT
GGCATGCACAGTCCCCCTCGCCCCCGAAACCTGAGCTTCTCTGCCTCAGGACTCAGCTCTCCCTG
CGTTGGGAACCCAGCAGATACGGGGGACGCCAGGATGTGAGATACAGTGTGAGGTGTTCCAGTGTG
AGGGCACAGCACAGGACGGGGGGCCCTGCCAGCCCTGTGGGTGGGCGTGCACTTCTCGCCGGGGGCCCG
GGGGCTCACCACCTGCAGTGCATGTCAATGGCCTTGAACCTTATGCCAACTACACCTTAAATGTGAA
GCCCAAATGGAGTGTGAGGCTGGGCGCTCTGGCCATGCCAGCACCTCAGTCAGCATCAGCATGGGGC
ATGCAGAGTCACTGTGAGCCTGTCTCTGAGACTGGTGAAGAAAGAACCGAGGCAACTAGAGTGACCTG
GGCGGGGTCCCGCCCCGAAGCCCTGGGGCGAACCTGACCTATGAGTGCACGTGCTGAACAGGATGAA
GAACGGTACCAGATGGTCTAGAACCAGGGTCTTGTGACAGAGCTGCAGCCTGACACCATACATCG
TCAGAGTCCGAATGCTGACCCCACTGGGTCTGGCCCTTCTCCCTGATCATGAGTTTCGGACCAGCCC
ACCAAGTGTCCAGGGGCTGACTGGAGGAGAG

ACGCGTTCAGGCGACTACAAGGATGACGACGATAAGGGATCTCATCATCACCATCACCATTAAATGAGATC
TGGTACCGATATCAAGCTTGTGACTCTAGA

Protein Sequence:

>RC600037 representing signal peptide plus the extracellular domain region of NM_005232

Red=Cloning sites Green= DDK and 6XHIS Tags

MERRWPLGLVLLLCAPLPPGARAKEVTLMDSKAQGE LGWLLDPPKDGWSEQQIILNGTPLYMYQDCP
MQGRRDTHWLRNWIYRGEEASRVHVELQFTVRDCKSFPGGAGPLGCKETFNLLYMESDQDVGILRRP
LFQKVTTVAADQSFTIRDLVSGSVKLNVERCSLGRLLRRGLYLAHNPAGACVALVSVRVFYQRCPETLNG
LAQFPDTLPGPAGLVEVAGTCLPHARASPRPSGAPRMHCSPDGEWLVPVGRCHCEPGYEEGSGEACVAC
PSGSYRMDMDTPHCLTCPQQSTAESEGATICESGHYRAPGEGPQVACTGPPSAPRNLFSASGTQLSL
RWEPPADTGGRQDVRYSVRCSQCQGT AQDGGPCQPCGVGVHFSFGARGLTTPAVHVNGLPEYANYTFNVE
AQNGVSLGSSGHASTSVSISMGHAESLSGLSLRLVKKEPRQLELTWAGSRPRSPGANLYELHVLNQDE
ERYQMVLPRVLLTELQPDTTYIVRVRLTPLGPGPFSPDHEFRTSPPVSRGLTGGE

TRSGTRSGDYKDDDDKGSHHHHHH

Species:

Human

Serotype:

AAV-2

ACCN:	NM_005232
ORF Size:	3212 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_005232.4</u> , <u>NP_005223.4</u>
RefSeq Size:	3369 bp
RefSeq ORF:	2931 bp
Locus ID:	2041
UniProt ID:	<u>P21709</u>
Cytogenetics:	7q34-q35
MW:	59.2 kDa