

Product datasheet for **RC600051A1V**

Human Eph receptor B4 (EPHB4) (NM_004444) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Eph receptor B4 (EPHB4) (NM_004444) AAV Particle
Tag:	Myc-DDK
Symbol:	Eph receptor B4
Synonyms:	CMAVM2; HFASD; HTK; LMPHM7; MYK1; TYRO11
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC600051 representing leader sequence plus the extracellular domain region of NM_004444

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

GTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCTGGTACCGAGGAGATCCGCCGCCG
CGATCGCC

ATGGAGCTCCGGGTGCTGCTCTGCTGGGCTTCGTTGGCCGACGCTTTGGAAGAGACCCTGCTGAACACAA
AATTGGAACTGCTGATCTGAAGTGGGTGACATTCCCTCAGGTGGACGGGCACTGGGAGGAACTGAGCGG
CCTGGATGAGGAACAGCACAGCGTGCACCTACGAAGTGTGTGACGTGCAGCGTGCCCCGGGCCAGGCC
CACTGGCTTCGCACAGGTTGGGTCCCACGGCGGGCGCGTCCACGTGTACGCCACGCTGCGCTTACCA
TGCTCGAGTGCCTGTCCCTGCCTCGGGTGGCGCTCCTGCAAGGAGACCTTACCCTCTTCTACTATGA
GAGCGATGCGGACACGGCCACGGCCCTACGCCAGCCTGGATGGAGAACCCTACATCAAGTGGACACG
GTGGCCCGGAGCATCTACCCGGAAGCGCCCTGGGGCCGAGGCCACCGGAAGGTGAATGTCAAGACGC
TGGCTCTGGGACCGCTCAGCAAGGCTGGCTTCTACCTGGCCTTCCAGGACCAGGGTGCATGGCCCT
GCTATCCCTGCACCTCTTCTACAAAAGTGCGCCAGCTGACTGTGAACCTGACTCGATTCCCGGAGACT
GTGCCTCGGGAGCTGGTGTGCCCCTGGCCGGTAGCTGCGTGGTGGATGCCGTCCCCGCCCTGGCCCCA
GCCCCAGCCTCTACTGCCGTGAGGATGGCCAGTGGGCCGAACAGCCGGTACGGGCTGCAGCTGTGCTCC
GGGTTTCGAGGAGCTGAGGGGAACACCAAGTCCGAGCCTGTGCCAGGGCACCTTCAAGCCCCGTGCA
GGAGAAGGGTCTGCCAGCCATGCCAGCCAATAGCCACTCTAACACCATTGGATCAGCCGTCTGCCAGT
GCCGCGTCGGGTACTTCCGGGCACGCACAGACCCCGGGGTGCACCCTGCACCACCCCTCCTTCGGCTCC
GCGGAGCGTGGTTTCCCGCTGAACGGCTCCTCCCTGCACCTGGAATGGAGTGGCCCTTGGAGTCTGGT
GGCCGAGAGGACCTACCTACGCCCTCCGCTGCCGGAGTGGCAGCCGAGGCTCCTGTGCGCCCTGCG
GGGAGACCTGACTTTTGACCCCGGCCCGGGGACCTGGTGGAGCCCTGGGTGGTGGTTCGAGGGCTACG
TCCTGACTTCACCTATACCTTTGAGGTCACTGCATTGAACGGGTATCCTCCTTAGCCACGGGGCCGTC
CCATTTGAGCCTGTCAATGTCACTACTGACGAGAGGTACCTCCTGCAGTGTCTGACATCCGGGTGACGC
GGTCTCACCCAGCAGCTTGAGCCTGGCTGGGCTGTTCCCGGGCACCCAGTGGGGCTGTGCTGGACTA
CGAGGTCAAATACCATGAGAAGGGCGCCGAGGGTCCCAGCAGCGTGGGTTCTGAAGACGTGAGAAAAC
CGGGCAGAGCTGCGGGGGCTGAAGCGGGGAGCCAGCTACCTGGTGCAGGTACGGCGCGCTCTGAGGCCG
GCTACGGGCCCTTCGGCCAGGAACATCACAGCCAGACCAACTGGATGAGAGCGAGGGCTGGCGGGAGCA
GCTGGCC

ACGCGTTCAGGCGACTACAAGGATGACGACGATAAGGGATCTCATCATCACCATCACCATTAAATGAGATC
TGGTACCGATATCAAGCTTGTCGACTCTAGA

Protein Sequence:

>RC600051 representing signal peptide plus the extracellular domain region of NM_004444

Red=Cloning sites Green= DDK and 6XHIS Tags

MELRVLLCWASLAAALEETLLNTKLETADLKWVTFPQVDGQWEELSGLDEEQHSVRTYEVCVDVQRAPGQA
HWLRTGWVPRRGAVHVVYATLRFMTLECLSLPRAGRCKETFTVFYYESDADTATALTPAWMENPYIKVDT
VAAEHLTRKRPAGEATGKVNKTLRLGPLSKAGFYLAQDQGACMALLSLHLFYKKAQLTVNLTRFPET
VPRELVPVAGSCVVDVAPAPGPSPLYCREDGQWAEQPVGTGSCAPGFEEAEGNTKCRACAQGTGFKPLS
GEGSCQPCPANSHTNIGSAVCQCRVGYFRARTDPRGAPCTTPPSAPRSVVSRLNGSSLHLEWSAPLES
GREDLTYALRCRECRPGGSCAPCGDLTFDPGPRDLVEPWVVVRGLRPDFTYTFEVTALNGVSSLATGPV
PFEPVNVTTDREVPPAVSDIRVTRSSPSSLAWAVPRAPSGAVLDYEVKYHEKGAEGPSSVRFLKTSN
RAELRGLKRGASYLVQVRARSEAGYGPFGQEHHSQTQLDESEGWREQLA

TRSGTRSGDYKDDDDKGSHHHHHH

Species:

Human

Serotype:

AAV-2

ACCN:	NM_004444
ORF Size:	1617 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_004444.4</u> , <u>NP_004435.3</u>
RefSeq Size:	4369 bp
RefSeq ORF:	2964 bp
Locus ID:	2050
UniProt ID:	<u>P54760</u>
Cytogenetics:	7q22.1
MW:	58.7 kDa