

Product datasheet for **RC600014A1V**

Human CD117 (NM_000222) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human CD117 (NM_000222) AAV Particle
Tag:	Myc-DDK
Symbol:	c Kit
Synonyms:	C-Kit; CD117; MASTC; PBT; SCFR
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC600014 representing leader sequence plus the extracellular domain region of NM_000222

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

GTAATACGACTCACTATAGGGCGGCCGCGAATTCGTGACTGGATCTGGTACCGAGGAGATCCGCCGCCG
CGATCGCC

ATGAGAGGCGCTCGCGGCGCCTGGGATTTCTCTGCGTTCTGCTCCTACTGCTTCGCGTCCAGACAGGCT
CTTCTCAACCATCTGTGAGTCCAGGGAACCGTCTCCACCATCCATCCAGGAAAATCAGACTTAAT
AGTCCGCGTGGGCGACGAGATTAGGCTGTTATGCACTGATCCGGGCTTTGTCAAATGGACTTTTGAGATC
CTGGATGAAACGAATGAGAATAAGCAGAATGAATGGATCACGGAAGGAGGAGCCACCAACACCGGCA
AATACAGTGCACCAACAAACACGGCTTAAGCAATTCATTTATGTGTTTGTAGAGATCCTGCCAAGCT
TTTCCTTGTGACCGCTCCTGTATGGGAAAGAACACGACACGCTGGTCCGCTGTCTCTCACAGAC
CCAGAAGTGACCAATTATCCCTCAAGGGGTGCCAGGGAAGCCTCTTCCAAGGACTTGAGGTTTATTC
CTGACCCCAAGCGGGCATCATGATCAAAAGTGTGAAACGCGCCTACCATCGGCTCTGTCTGCATTGTTT
TGTGGACCAAGGAGGCAAGTCAGTGCTGTGGAATAATCATCCTGAAAGTGAGGCCAGCCTTCAAAGCT
GTGCCTGTTGTGTCTGTGTCCAAAGCAAGCTATCTTCTAGGGAAGGGGAAGAATTACAGTGACGTGCA
CAATAAAGATGTGTCTAGTTCTGTGTACTCAACGTGGAAAAGAGAAAACAGTCAGACTAACTACAGGA
GAAATATAATAGCTGGCATCACGGTGACTTCAATTATGAACGTGAGGCAACGTTGACTATCAGTTCAGCG
AGAGTTAATGATTCTGGAGTGTTTATGTGTTATGCCAATAATACTTTTGGATCAGCAAATGTCACAACAA
CCTTGGAAAGTAGAGTAAAGGATTCATTAATATCTTCCCATGATAAACTACAGTATTTGTAAACGA
TGGAGAAAATGTAGTTTGATTGTTGAATATGAAGCATTCCCAAGCTGAGAATGAAAGTAAATCAGATACG
TAAGTGAACCTTCACTAACGAGATTAAGGACCGAAGGAGGCACTTACACATTCTAGTGTTCAATTC
TGACGTCAATGCTGCCATAGCATTAAATGTTTATGTGAATACAAAACAGAAATCCTGACTTACGACAGG
CTCGTGAATGGCATGCTCCAATGTGTGGCAGCAGGATCCAGAGCCACAATAGATTGGTATTTTGTGTC
CAGGAAGTGAAGCTAGTGGTTCAGAGTTCTATAGATTCTAGTGCATTCAAGCACAATGGCAGGTTGAA
ACCGTTTGAAGCTAGTGGTTCAGAGTTCTATAGATTCTAGTGCATTCAAGCACAATGGCAGGTTGAA
TGTAAGGCTTACAACGATGTGGCAAGACTTCTGCCTATTTTAACTTTGCATTAAAGGTAACAACAAAG
AGCAATCCATCCACACCCCTGTTCACTCT

ACGCGTTCAGGCGACTACAAGGATGACGACGATAAGGGATCTCATCATCACCATCACCATTAAATGAGATC
TGGTACCGATATCAAGCTTGTGACTCTAGA

Protein Sequence:

>RC600014 representing signal peptide plus the extracellular domain region of NM_000222

Red=Cloning sites Green= DDK and 6XHIS Tags

MRGARGAWDFLCVLLLLLRVQTGSSQPSVSPGEPSPPSIHPGKSDLIVRVGDEIRLLCTDPGFVKWTFEI
LDETENKQNEWITEKAEATNTGKYTCTNKHGLSNSIYVFVRDPAKLFLVDRSLYGKEDNDTLVRCPLTD
PEVTNYSKLGKQKPLPKDLRFIPDPKAGIMIKSVKRAYHRLCLHCSVDQEGKSVLSEKFIKVRPAFKA
VPVVSYSKASYLLREGEEFTVTCTIKDVSSSVYSTWKRENSQTKLQEKYNSWHHGFNYERQATLTISSA
RVNDSGVFMCIYANNTFGSANVTTTLEVVDKGFINIFPMINTTVFVNDGENVDLIVEYEAFKPEHQWIY
MNRTFTDKWEDYPKSESNIRYVSELHLTRLKGTEGGTYTFLVNSDVNAIAFNYYVNTKPEILTYDR
LVNGMLQCVAAGFPEPTIDWYFCPGTEQRCSASVLPVDVQTLNSSGPPFGKLVVQSSIDSSAFKHNGTVE
CKAYNDVGKTSAYFNFAFGKNNKEQIHPHTLFTP

TRSGTRSGDYKDDDDKGSHHHHHH

Species:

Human

Serotype:

AAV-2

ACCN:

NM_000222

ORF Size:	3074 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_000222.2, NP_000213.1</u>
RefSeq Size:	5190 bp
RefSeq ORF:	2931 bp
Locus ID:	3815
UniProt ID:	<u>P10721</u>
Cytogenetics:	4q12
MW:	58.9 kDa