

Product datasheet for **RC600005A1V**

Human Her2 (ERBB2) (NM_004448) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Her2 (ERBB2) (NM_004448) AAV Particle
Tag:	Myc-DDK
Symbol:	ERBB2
Synonyms:	CD340; HER-2; HER-2/neu; HER2; MLN 19; NEU; NGL; TKR1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC600005 representing leader sequence plus the extracellular domain region of NM_004448

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

GTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCTGACTGGATCTGGTACCGAGGAGATCCGCCGCCG
CGATCGCC

ATGGAGCTGGCGCCTTGTGCCGCTGGGGCTCCTCCTCGCCCTCTTGCCCCCGAGCCGCGAGCACCC
AAGTGTGCACCGGCACAGACATGAAGCTGCGGCTCCCTGCCAGTCCCGAGACCCACCTGGACATGCTCCG
CCACCTCTACCAGGGCTGCCAGGTGGTGCAGGGAACCTGGAACCTCACCTACCTGCCACCAATGCCAGC
CTGTCTTCTGCAGGATATCCAGGAGTGCAGGGCTACGTGCTCATCGCTCACAACCAAGTGAGGCAGG
TCCCACTGCAGAGGCTGCGGATTGTGCGAGGCACCCAGCTCTTGAGGACAACTATGCCCTGGCCGTGCT
AGACAATGGAGACCCGCTGAACAATACCACCCCTGTACAGGGGCTCCCGAGGAGGCTGCGGGAGCTG
CAGCTTCGAAGCCTCACAGAGATCTTGAAAGGAGGGGTCTTGATCCAGCGGAACCCAGCTCTGCTACC
AGGACACGATTTTGTGGAAGGACATCTCCACAAGAACAACAGCTGGCTCTCACACTGATAGACACCAA
CCGCTCTCGGGCTGCCACCCCTGTTCTCCGATGTGTAAGGGCTCCCGCTGCTGGGGAGAGAGTTCTGAG
GATTGTGAGAGCTGACGCGCACTGTCTGTGCCGTGGCTGTGCCCGCTGCAAGGGGCCACTGCCCACTG
ACTGCTGCCATGAGCAGTGTGCTGCCGGCTGCACGGGCCCCAAGCACTCTGACTGCCTGGCCTGCCTCCA
CTTCAACCACAGTGGCATCTGTGAGCTGCACTGCCAGCCCTGGTCACCTACAACACAGACACGTTTGAG
TCCATGCCCAATCCCGAGGGCCGGTATACATTCGGCGCCAGCTGTGTGACTGCCTGTCCCTACAACCTACC
TTTCTACGGACGTGGGATCCTGCACCCCTCGTCTGCCCTGCAACAAGAGGTGACAGCAGAGGATGG
AACACAGCGGTGTGAGAAGTGCAGCAAGCCCTGTGCCCGAGTGTGCTATGGTCTGGGCATGGAGCACTTG
CGAGAGGTGAGGGCAGTTACCACTGCCAATATCCAGGAGTTTGCTGGCTGCAAGAAGATCTTTGGGAGCC
TGGCATTCTGCCGGAGAGCTTTGATGGGGACCCAGCCTCCAACACTGCCCCGCTCCAGCCAGAGCAGCT
CCAAGTGTGAGACTCTGGAAGAGATCACAGGTTACCTATACATCTCAGCATGGCCGGACAGCCTGCCT
GACCTCAGCGTCTCCAGAACCTGCAAGTAATCCGGGGACGAATCTGCACAATGGCGCCTACTCGCTGA
CCCTGCAAGGGCTGGGCATCAGCTGGCTGGGGCTGCGCTCACTGAGGGAAGTGGGCAGTGGACTGGCCCT
CATCCACCATAACACCCACCTCTGCTTCGTGCACACGGTGCCCTGGGACCAGCTCTTTCGGAACCCGCAC
CAAGCTCTGCTCCCACTGCCAACCAGGAGAGGACGAGTGTGTGGGCGAGGGCCTGGCCTGCCACCAGC
TGTGCGCCCGAGGGCACTGCTGGGGTCCAGGGCCACCCAGTGTGTCAACTGCAGCCAGTTCTTCGGGG
CCAGGAGTGGTGGAGGAATGCCGAGTACTGCAGGGGCTCCCGAGGAGTATGTGAATGCCAGGCACTGT
TTGCCGTGCCACCCCTGAGTGTACGCCCCAGAATGGCTCAGTGACCTGTTTGGACCGGAGGCTGACCACT
GTGTGGCCTGTGCCCACTATAAGGACCTCCCTTCTGCGTGGCCCGCTGCCCCAGCGGTGTGAAACCTGA
CCTCTCTACATGCCATCTGGAAGTTTCCAGATGAGGAGGGCGCATGCCAGCCTTGCCCCATCAACTGC
ACCCACTCCTGTGTGGACCTGGATGACAAGGGCTGCCCGCCGAGCAGAGAGCCAGCCCTCTGACG

ACGCGTTCAGGCGACTACAAGGATGACGACGTAAGGGATCTCATCATCACCATCACCATTAAATGAGATC
TGGTACCGATATCAAGCTTGTGACTCTAGA

Protein Sequence:	>RC600005 representing signal peptide plus the extracellular domain region of NM_004448 Red=Cloning sites Green= DDK and 6XHIS Tags MELAALCRWGLLLALLPPGAASTQVCTGTMKRLRPASPETHDMLRHLYQGCQVVQGNLELTYPPTNAS LSFLQDIQEVQGYVLIAHNQVRQVPLQRLRIVRGTLFEDNYALAVLDNGDPLNNTTPVTGASPGGLREL QLRSLTEILKGGVLIQRNPQLCYQDTILWKDIFHKNNQLALTLIDTNRSRACHPCSPMCKGSRGWGESSE DCQSLTRTVCAAGGCARCKGPLPTDCCHEQCAAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDTFE SMPNPEGRYTFGASCVTACPYNYLSTDVGSTLVCPHNEVTAEDGTQRCEKCSKPCARVCYGLGMEHL REVRAVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLYISAWPDSLP DLSVFQNLQVIRGRILHNGAYSLTLQGLGISWLGLRSLRELGSGLALIIHNTHLCFVHTVPWDQLFRNPH QALLHTANRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLPREYVNARHC LPCHPECQPQNGSVTCFGPEADQCVCACAHYKDPFPCVARCPSGVKPDLSYMPIWKFPDEEGACQPCPINC THSCVDLDDKGCPEQASPLT TRSGTRSGDYKDDDDKGSHHHHHH
Species:	Human
Serotype:	AAV-2
ACCN:	NM_004448
ORF Size:	3772 bp
Buffer:	PBS with 0.001% Pluronic F11409
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_004448.3, NP_004439.2</u>
RefSeq Size:	4664 bp
RefSeq ORF:	3768 bp
Locus ID:	2064
UniProt ID:	<u>P04626</u>
Cytogenetics:	17q12
MW:	71.6 kDa