

Product datasheet for **RC600002A1V**

Human EGFR (NM_201282) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human EGFR (NM_201282) AAV Particle
Tag:	Myc-DDK
Symbol:	EGFR
Synonyms:	ERBB; ERBB1; ERBP; HER1; mENA; NISBD2; PIG61
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC600002 representing leader sequence plus the extracellular domain region of NM_201282

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

GTAATACGACTCACTATAGGGCGGCCGCGAATTCGTGCTGACTGGATCTGGTACCGAGGAGATCCGCCGCCG
CGATCGCC

ATGCGACCCTCCGGGACGGCCGGGGCAGCGCTCCTGGCGCTGCTGGCTGCGCTCTGCCCGCGAGTCGGG
CTCTGGAGGAAAAAGTTTGCCAAGGCACGAGTAACAAGCTCACGCAGTTGGGCACTTTGAAGATCA
TTTTCTCAGCCTCCAGAGGATGTTCAATAACTGTGAGGTGGTCTTGGGAATTTGGAAATTACCTATGTG
CAGAGGAATTATGATCTTCTCTTAAAGACCATCCAGGAGGTGGTGGTTATGTCCTATTGCCCTCA
ACACAGTGGAGCGAATTCCTTTGAAAACTGCAGATCATCAGAGGAAATATGTACTACGAAAATTCCTA
TGCCTTAGCAGTCTTATCTAACTATGATGCAATAAAACCGGACTGAAGGAGTGCCTATGAGAAATTTA
CAGGAAATCCTGCATGGCGCCGTGCGGTTGAGCAACAACCTGCCCTGTGCAACGTGGAGAGCATCCAGT
GGCGGGACATAGTCAGCAGTGACTTTCTCAGCAACATGTCGATGGACTCCAGAACACCTGGGCAGCTG
CCAAAAGTGTGATCCAAGCTGTCCCAATGGGAGCTGCTGGGGTGCAAGGAGGAGAACTGCCAGAAACTG
ACCAAAATCATCTGTGCCGAGCAGTGCTCCGGGCGCTGCCGTGGCAAGTCCCCAGTGACTGCTGCCACA
ACCAGTGTGCTGCAGGCTGCACAGGCCCGGGAGAGCGACTGCCTGGTCTGCCGCAATTCGAGACGA
AGCCACGTGCAAGGACACCTGCCCCCACTCATGCTCTACAACCCACACGTACCAGATGGATGTGAAC
CCCAGGGGCAATACAGCTTTGGTGCCACCTGCGTGAAGAAGTGTCCCGTAATTATGTGGTGACAGATC
ACGGCTCGTGGTCCGAGCCTGTGGGGCCGACGCTATGAGATGGAGGAAGACGGCGTCCGCAAGTGTA
GAAGTGCGAAGGGCCTTGCCGAAAGTGTGAACGGAATAGGTATTGGTGAATTTAAAGACTCACTCTCC
ATAAATGCTACGAATATTAACACTTCAAAAACTGCACCTCCATCAGTGGCGATCTCCACATCTGCCGG
TGGCATTAGGGGTGACTCCTTCACACATACTCCTCCTCTGGATCCACAGGAAGTGGATATTCTGAAAAC
CGTAAAGGAAATCACAGGGTTTTGCTGATTGAGGCTTGGCTGAAAACAGGACGGACCTCCATGCCTTT
GAGAACCTAGAAATCATACGCGGACAGCAAGCAACATGGTCAGTTTTCTTTGAGTGTGAGCCTGA
ACATAACATCCTTGGGATTACGCTCCCTCAAGGAGATAAGTATGGAGATGTGATAATTTAGGAAACAA
AAATTTGTGCTATGCAATAACAATAAACTGAAAAAACTGTTGGGACCTCCGGTCAGAAAACCAAAAT
ATAAGCAACAGAGGTGAAAACAGCTGCAAGGCCACAGGCCAGGTCTGCCATGCCTTGCTCCCCGAGG
GCTGCTGGGGCCCGAGCCAGGACTGCGTCTCTTGGCGAATGTGAGCCGAGGCAGGGAATGCGTGGA
CAAGTGAACCTTCTGGAGGTGAGCAAGGGAGTTTGTGGAGAACTCTGAGTGCATACAGTGCCACCCA
GAGTGCCTGCCTCAGGCCATGAACATACCTGCACAGGACGGGGACCAGACAACCTGTATCCAGTGTGCC
ACTACATTGACGGCCCCCACTGCGTCAAGACCTGCCCGGCAGGAGTATGGGAGAAAAACACCCCTGGT
CTGGAAGTACGACAGCCGGCCATGTGTGCCACCTGTGCCATCCAACTGCACCTACGGGTCC

ACGCGTTCAGGCGACTACAAGGATGACGACGATAAGGGATCTCATCATCACCATCACCATTAAATGAGATC
TGGTACCGATATCAAGCTTGTGACTCTAGA

Protein Sequence:	>RC600002 representing signal peptide plus the extracellular domain region of NM_201282 Red=Cloning sites Green= DDK and 6XHIS Tags MRPSGTAGAALLALLAALCPASRALEEKVCQGTSNKLTQLGTFEDHFLSLQRMFNNCEVVLGNLEITYV QRNYDLSFLKTIQEVAGYVLIALNTVERIPLNLQIIRGNMYYENSYALAVLSNYDANKTGLKELPMRNL QEILHGAVRFSNNPALCNVESIQWRDIYSSDFLSNMSMDFQNLHGSCQKCDPSCPNGSCWGAGEENCQKL TKIICAQQCSGRCRGKSPSDCCHNQCAAGCTGPRESCLVCRKFRDEATCKDTCPLMLYNPTTYQMDVN PEGKYSFGATCVKKCPRNYVVDHGSVCVRACGADSYEMEEDGVRKCKKCEGPCRKVCNGIGIGEFKDSLS INATNIKHFKNCTISGDLHILPVAFRGDSFTHTPPLDPQELDILKTVKEITGFLLIQAWPENRTDLHAF ENLEIIRGRTKQHGFSLAVVSLNITSLGLRSLKEISDGDVIIISGNKNLCYANTINWKKLFGTSGQKTKI ISNRGENSCKATGQVCHALCSPEGCWGPEPRDCVSCRNVSRGECVDKCNLLEGEPRFVENSECIQCHP ECLPQAMNITCTGRGPDNCIQCAHYIDGPHCVKTCAPAGVMGENNTLVWKYADAGHVCHLCHPNCTYGS TRSGTRSGDYKDDDDKGSHHHHHH
Species:	Human
Serotype:	AAV-2
ACCN:	NM_201282
ORF Size:	3698 bp
Buffer:	PBS with 0.001% Pluronic F11407
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_201282.1, NP_958439.1</u>
RefSeq Size:	2239 bp
RefSeq ORF:	1887 bp
Locus ID:	1956
UniProt ID:	<u>P00533</u>
Cytogenetics:	7p11.2
MW:	69.2 kDa