

Product datasheet for **RC600001A1V**

Human EGFR (NM_005228) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human EGFR (NM_005228) 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:

>RC600001 representing leader sequence plus the extracellular domain region of NM_005228

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

GTAATACGACTCACTATAGGGCGGCCGCGAATTCGTCGACTGGATCTGGTACCGAGGAGATCCGCCGCCG
CGATCGCC

ATGCGACCCTCCGGGACGGCCGGGCGAGCGCTCCTGGCGCTGCTGGCTGCGCTCTGCCCGCGAGTCGGG
CTCTGGAGGAAAAAGTTTGCCAAGGCACGAGTAACAAGCTCACGCAGTTGGGCACTTTGAAGATCA
TTTTCTCAGCCTCCAGAGGATGTTCAATAACTGTGAGGTGGTCTTGGGAATTTGGAAATTACCTATGTG
CAGAGGAATTATGATCTTCTCTTAAAGACCATCCAGGAGGTGGTGGTTATGTCCTCATTGCCCTCA
ACACAGTGGAGCGAATTCCTTTGAAAACTGCAGATCATCAGAGGAAATATGTACTACGAAAATTCCTA
TGCCTTAGCAGTCTTATCTAACTATGATGCAATAAAACCGGACTGAAGGAGCTGCCCATGAGAAATTTA
CAGGAAATCCTGCATGGCGCCGTGCGGTTGAGCAACAACCTGCCCTGTGCAACGTGGAGAGCATCCAGT
GGCGGGACATAGTCAGCAGTGACTTTCTCAGCAACATGTCGATGGACTCCAGAACACCTGGGCAGCTG
CCAAAAGTGTGATCCAAGCTGTCCCAATGGGAGCTGCTGGGGTGCAAGGAGGAGAACTGCCAGAACTG
ACCAAAATCATCTGTGCCGAGCAGTGCTCCGGGCGCTGCCGTGGCAAGTCCCCAGTGACTGCTGCCACA
ACCAGTGTGCTGCAGGCTGCACAGGCCCGGGAGAGCGACTGCCTGGTCTGCCGCAATTCGAGACGA
AGCCACGTGCAAGGACACCTGCCCCCACTCATGCTCTACAACCCACACGTACCAGATGGATGTGAAC
CCCAGGGGCAATACAGCTTTGGTGCCACCTGCGTGAAGAAGTGTCCTCGTAATTATGTGGTGACAGATC
ACGGCTCGTGCGTCCGAGCCTGTGGGGCCGACGCTATGAGATGGAGGAAGACGGCGTCCGCAAGTGTA
GAAGTGCAAGGGCCTTGCCGCAAGTGTTAACGGAATAGGTATTGGTGAATTTAAAGACTCACTCTCC
ATAAATGCTACGAATATTAACACTTCAAAAACCTGCACCTCCATCAGTGGCGATCTCCACATCTGCCGG
TGGCATTAGGGGTGACTCCTTCACACATACTCCTCCTCTGGATCCACAGGAACGGATATTCTGAAAAC
CGTAAAGGAAATCACAGGGTTTTGCTGATTAGGCTTGGCCTGAAAACAGGACGGACCTCCATGCCTTT
GAGAACCTAGAAATCATACGCGGACAGCAAGCAACATGGTCAGTTTTCTTTGCAAGTGTGAGCCTGA
ACATAACATCCTTGGGATTACGCTCCCTCAAGGAGATAAGTATGGAGATGTGATAATTTAGGAAACAA
AAATTTGTGCTATGCAATAACAATAAACTGAAAAAACTGTTTGGGACCTCCGGTCAGAAAACCAAAAT
ATAAGCAACAGAGGTGAAAACAGCTGCAAGGCCACAGGCCAGGTCTGCCATGCCTTGCTCCCCGAGG
GCTGCTGGGGCCCGAGCCAGGACTGCGTCTCTTGGCGGAATGTCAGCCGAGGCAGGGAATGCGTGGA
CAAGTGAACCTTCTGGAGGTGAGCAAGGGAGTTTGTGGAGAACTCTGAGTGCATACAGTGCCACCCA
GAGTGCCTGCCTCAGGCCATGAACATACCTGCACAGGACGGGGACCAGACAACCTGTATCCAGTGTGCC
ACTACATTGACGGCCCCCACTGCGTCAAGACCTGCCCGGCAGGAGTATGGGAGAAAAACACCCCTGGT
CTGGAAGTACGCAGACGCCGGCCATGTGTGCCACCTGTGCCATCCAACTGCACCTACGGATGACTGGG
CCAGGTCTTGAAGGCTGTCCAACGAATGGGCCTAAGATCCCGTCC

ACGCGTTCAGGCGACTACAAGGATGACGACGATAAGGGATCTCATCATCACCATCACCATTAAATGAGATC
TGGTACCGATATCAAGCTTGTGACTCTAGA

Protein Sequence:	>RC600001 representing signal peptide plus the extracellular domain region of NM_005228 Red=Cloning sites Green= DDK and 6XHIS Tags MRPSGTAGAALLALLAALCPASRALEEKVKCQGTSNKLTQLGTFEDHFLSLQRMFNCEVVLGNLEITYV QRNYDLSFLKTIQEVAGYVLIALNTVERIPLNLQIIRGNMYYENSYALAVLSNYDANKTGLKELPMRNL QEILHGAVRFSNNPALCNVESIQWRDIYSSDFLSNMSMDFQNHGSCQKCDPSCPNGSCWGAGEENCQKL TKIICAQQCSGRCRGKSPSDCCHNQCAAGCTGPRESCLVCRKFRDEATCKDTCPLMLYNPTTYQMDVN PEGKYSFGATCVKKCPRNYVVDHGSVCVRACGADSYEMEEDGVRKCKKCEGPCRKVCNGIGIGEFKDSLS INATNIKHFKNCTISGDLHILPVAFRGDSFTHTPPLDPQELDILKTVKEITGFLLIQAWPENRTDLHAF ENLEIIRGRKQHGQFSLAVVSLNITSLGLRSLKEISDGDVIIISGNKNLCYANTINWKKLFGTSGQKTKI ISNRGENSCKATGQVCHALCSPEGCWGPEPRDCVSCRNVSRGECVDKCNLLEGEPRFVENSECIQCHP ECLPQAMNITCTGRGPDNCIQCAHYIDGPHCVKTCAPAGVMGENNTLVWKYADAGHVCHLCHPNCTYGCTG PGLEGCPNTGPKIPS TRSGTRSGDYKDDDDKGSHHHHHH
Species:	Human
Serotype:	AAV-2
ACCN:	NM_005228
ORF Size:	3800 bp
Buffer:	PBS with 0.001% Pluronic F11406
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_005228.3, NP_005219.2</u>
RefSeq Size:	5616 bp
RefSeq ORF:	3633 bp
Locus ID:	1956
UniProt ID:	<u>P00533</u>
Cytogenetics:	7p11.2
MW:	70.9 kDa