

Product datasheet for **RC600008A1V**

Human ErbB 4 (ERBB4) (NM_005235) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ErbB 4 (ERBB4) (NM_005235) AAV Particle
Tag:	Myc-DDK
Symbol:	ERBB4
Synonyms:	ALS19; HER4; p180erbB4
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC600008 representing leader sequence plus the extracellular domain region of NM_005235

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

GTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCTGGTACCGAGGAGATCCGCCGCCG
CGATCGCC

ATGAAGCCGGCGACAGGACTTTGGGTCTGGGTGAGCCTTCTCGTGGCGGCGGGGACCGTCCAGCCCAGCG
ATTCTCAGTCAGTGTGTGCAGGAACGGAGAATAAACTGAGCTCTCTCTGACCTGGAACAGCAGTACCG
AGCCTTGCGCAAGTACTATGAAAAGTGTGAGGTGTGTCATGGGCAACCTGGAGATAACAGCATTGAGCAC
AACCGGGACCTCTCCTTCTGCGGTCTGTTGAGAGTACAGGCTACGTGTTAGTGGCTCTTAATCAGT
TTCGTTACCTGCCTCTGGAGAATTTACGCATTATTCGTGGGACAAAACCTTATGAGGATCGATATGCCTT
GGCAATATTTTTAACTACAGAAAAGATGGAACCTTTGGACTTCAAGAACTTGGATTAAGAACTTGACA
GAAATCCTAAATGGTGGAGTCTATGTAGACCAGAACAAATTCCTTTGTTATGCAGACACCATTTCATTGGC
AAGATATTGTTGGAACCCATGGCCTTCCAACCTTGACTCTTGTGTCAACAAATGGTAGTTCAGGATGTGG
ACGTTGCCATAAGTCTGTACTGGCCGTTGCTGGGGACCCACAGAAAATCATTGCCAGACTTTGACAAGG
ACGGTGTGTGCAGAACATGTGACGGCAGATGTACGGACCTTACGTGAGTACTGCTGCCATCGAGAAT
GTGCTGGAGGCTGCTCAGGACCTAAGGACACAGACTGCTTGCCTGCATGAATTTCAATGACAGTGGAGC
ATGTGTTACTCAGTGTCCCCAACCTTTGTCTACAATCCAACACCTTTCAACTGGAGCACAAATTTCAAT
GCAAAGTACACATATGGAGCATTCTGTGTCAAGAAATGTCCACATAACTTTGGGTAGATTCCAGTTCTT
GTGTGCGTGCCTGCCCTAGTTCCAAGATGGAAGTAGAAGAAAATGGGATTAATAATGTGTAACCTTGAC
TGACATTTGCCAAAAGCTTGTGATGGCATTGGCACAGGATCATTGATGTCAGCTCAGACTGTGGATTCC
AGTAACATTGACAAATTCATAAACTGTACCAAGATCAATGGGAATTTGATCTTTCTAGTCACTGGTATTC
ATGGGGACCCCTTACAATGCAATTGAAGCCATAGACCCAGAGAAAATGAACGTCTTTCGGACAGTCAGAGA
GATAACAGGTTTCTGAACATACAGTCAATGGCCACCAACATGACTGACTTCAGTGTCTTTCTAACCTG
GTGACCATTGGTGAAGAGTACTCTATAGTGGCTGTCCTTGCTTATCCTCAAGCAACAGGGCATCACCT
CTCTACAGTTCAGTCCCTGAAGGAAATCAGCGCAGGAAACATCTATATTACTGACAACAGCAACCTGTG
TTATTATCATACCATTAAGTGGACAACACTCTTCAGCACAAATCAACCAGAGAATAGTAATCCGGGACAAC
AGAAAAGCTGAAAATTTGACTGCTGAAGGAATGGTGTGCAACCATCTGTGTTCCAGTGTGGCTGTTGGG
GACCTGGGCCAGACCAATGTCTGTGTCGTCGCGCTTCAGTAGAGGAAGGATCTGCATAGAGTCTTGTA
CCTCTATGATGGTGAATTTGCGGAGTTTGAGAATGGCTCCATCTGTGTGGAGTGTGACCCCAAGTGTGAG
AAGATGGAAGATGGCCTCCTCACATGCCATGGACCGGTCTGACAACTGTACAAAGTGTCTCATTTTA
AAGATGGCCAACTGTGTGGAAAAATGTCCAGATGGCTTACAGGGGGCAAACAGTTTCATTTTCAAGTA
TGCTGATCCAGATCGGGAGTGCCACCCATGCCATCCAACTGCACCAAGGGTGTAAACGGTCCCAGT
CATGACTGCATTTACTACCATGGACGGGCCATTCACCTTTACCACAACATGCTAGAATCCC

ACGCGTTCAGGCGACTACAAGGATGACGACGATAAGGGATCTCATCATCACCATCACCATTAAATGAGATC
TGGTACCGATATCAAGCTTGTGACTCTAGA

Protein Sequence:	>RC600008 representing signal peptide plus the extracellular domain region of NM_005235 Red=Cloning sites Green= DDK and 6XHIS Tags MKPATGLWVWSLLVAAGTVQPSDSQSVCAGTENKLSSLSLEQQYRALRKYYENCEVVMGNLEITSIEH NRDLSFLRSVREVTGYVLVALNQFRYLPLENLRIIRGKLYEDRYALAIFLNRYKDGNGFLQELGLKNLT EILNGGVYVDQNKFLCYADTIHWQDIVRNPWPSNLT LVSTNGSSGCGRCHKSGTGRGWPTENHCQTLTR TVCAEQCDGRGYPYVSDCCHRECAGGCSGPKDTCFACMNFNDGACVTQCPQTFVYNPTTFQLEHNFN AKYTYGAF CVKKCPHNFVVDSSSCVRACPSSKMEVEENGIKMCKPCTD ICPKACDGI GTGSLMSAQTVDS SNIDKF INCTKINGNL IFLVTGIHGD PYNAIEAIDPEKLN VFRTVREITGFLNIQSWPPNMTDFSVFSNL VTIGGRVLYSGLSLLILKQQGITS LQFQSLKEISAGNIYITDNSNLCYHYHTINWTTLFSTINQRIVIRDN RKAENCTAEGMVCNHLCS SDGCGWGPDPQCLSCRRFSRGRICIESCNLYDGEFREFENGSI CVECDPQCE KMEDGLLTCHGPGPDNCTKCSHF KDGPNCVEKCPDGLQGANSFIFKYADPDRECHPCHP NCTQGCGNPTS HDCIYYPWTGHSTLPQHARTP TRSGTRSGDYKDDDDKGSHHHHHH
Species:	Human
Serotype:	AAV-2
ACCN:	NM_005235
ORF Size:	3766 bp
Buffer:	PBS with 0.001% Pluronic F11411
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_005235.2</u> , <u>NP_005226.1</u>
RefSeq Size:	11941 bp
RefSeq ORF:	3927 bp
Locus ID:	2066
UniProt ID:	<u>Q15303</u>
Cytogenetics:	2q34
MW:	72.4 kDa