

Product datasheet for **RC600076A1V**

Human RET (NM_020975) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human RET (NM_020975) AAV Particle
Tag:	Myc-DDK
Symbol:	RET
Synonyms:	CDHF12; CDHR16; HSCR1; MEN2A; MEN2B; MTC1; PTC; RET-ELE1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC600076 representing leader sequence plus the extracellular domain region of NM_020975

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

GTAATACGACTCACTATAGGGCGGCCGCGAATTCGTCGACTGGATCTGGTACCGAGGAGATCCGCCGCCG
CGATCGCC

ATGGCGAAGGCGACGTCCGGTGCCGCGGGGCTGCGTCTGCTGTTGCTGCTGCTGCTGCCGCTGCTAGGCA
AAGTGGCATTGGGCCTCTACTTCTCGAGGGATGCTTACTGGGAGAAGCTGTATGTGGACAGGCGGCCGG
CACGCCCTTGCTGTACGTCCATGCCCTGCGGGACGCCCCTGAGGAGGTGCCAGCTTCCGCCTGGGCCAG
CATCTCTACGGCACGTACCGCACACGGCTGCATGAGAACAAGTGGATCTGCATCCAGGAGGACACCGGCC
TCCTCTACCTTAACCGGAGCCTGGACCATAGCTCCTGGGAGAAGCTCAGTGTCCGCAACCGCGGCTTTCC
CCTGCTACCGTCTACCTCAAGGTCTTCTGTACCCACATCCCTTCGTAGGGCGAGTGCCAGTGGCCA
GGCTGTGCCCGGTATACTTCTCTTCTTCAACACCTCCTTTCCAGCCTGCAGTCCCTCAAGCCCCGGG
AGCTCTGCTTCCAGAGACAAGGCCCTCCTTCCGATTGCGGAGAACCAGCCCCAGGCACCTTCCACCA
GTTCCGCTGTGCCTGTGCAAGTCTTGTGCCCAACATCAGCGTGGCTACAGGCTCCTGGAGGGTGAG
GGTCTGCCCTTCCGCTGCGCCCCGACAGCCTGGAGGTGAGCACGCGCTGGGCCCTGGACCGCGAGCAGC
GGGAGAAGTACGAGTGGTGGCGTGTGACCGTGCACGCCGCGCGCGAGGAGGTGGTGATGGTGCC
CTTCCCGGTGACCGTGTACGACGAGGACGACTCGGCGCCACCTTCCCGCGGGCGTGCACACCGCCAGC
GCCGTGGTGGAGTTCAAGCGGAAGGAGGACACCGTGGTGGCCACGCTGCGTGTCTTCGATGCAGACGTGG
TACCTGCATCAGGGGAGCTGGTGAAGCGGTACACAAGCACGCTGCTCCCCGGGACACCTGGGCCAGCA
GACCTTCCGGGTGGAACACTGGCCCAACGAGACCTCGGTCCAGGCCAACGGCAGCTTCGTGCGGGCGACC
GTACATGACTATAGGCTGGTCTCAACCGGAACCTCTCATCTCGGAGAACCACCATGCAGTGGCGG
TGCTGGTCAATGACTCAGACTTCCAGGGCCAGGAGCGGGCGTCTCTTGTCTCACTTCAACGTGTGCGT
GCTGCCGTGAGCCTGCACCTGCCCAGTACCTACTCCCTCTCCGTGAGCAGGAGGGCTCGCCGATTTGCC
CAGATCGGAAAGTCTGTGTGGAAGTGCAGGCATTGAGTGGCATCAACGTCCAGTACAAGCTGCATT
CCTCTGGTGCCAACTGCAGCACGCTAGGGGTGGTACCTCAGCCGAGGACACCTCGGGGATCCTGTTTGT
GAATGACACCAAGGCCCTGCGGCGGCCAAGTGTGCCGAACCTCACTACATGGTGGTGGCCACCGACCAG
CAGACCTTAGGCAGGCCAGGCCAGCTGCTTGTAAAGTGGAGGGTGCATATGTGGCCGAGGAGGCGG
GCTGCCCTGTCTGTGCACTCAGCAAGAGACGGCTGGAGTGTGAGGAGTGTGGCGGCTGGGCTCCCC
AACAGGCAGGTGTGAGTGGAGGCAAGGAGATGGCAAAGGGATCACCAGGAACCTTCCACCTGCTCTCC
AGCACCAAGACCTGCCCCGACGCCACTGCGATGTTGTGGAGACCAAGACATCAACATTTGCCCTCAGG
ACTGCCTCCGGGCGAGATTGTTGGGGACACGAGCCTGGGGAGCCCCGGGGGATTAAAGCTGGCTATGG
CACCTGCAACTGCTTCCCTGAGGAGGAGAAGTGCTTCTGCGAGCCCAAGACATCCAGGATCCACTGTGC
GACGAGCTGTGCCG

ACGCGTTCAGGCGACTACAAGGATGACGACGATAAGGGATCTCATCATCACCATCACCATTAAATGAGATC
TGGTACCGATATCAAGCTTGTGACTCTAGA

Protein Sequence:	>RC600076 representing signal peptide plus the extracellular domain region of NM_020975 Red=Cloning sites Green= DDK and 6XHIS Tags MAKATSGAAGLRLLLLLLLPLL GKVALGLYFSRDAYWEKLYVDQAAGTPLLYVHALRDAPEEVPSFRLGQ HLYGTYRTRLHENNWICIQEDTGLLYLNRSLDHSSWEKLSVRNRGFPLLTYYLKVFLSPTSLREGEQWP GCARVYFSFFNTSFPACSSLKPRELCFPETRPSFRIENRPPGTFHQFRLLPVQFLCPNISVAYRLLEGE GLPFRCAPDSLEVSTRWALDREQREKYELVAVCTVHAGAREEVVMVFPVTVYDEDDSAPTFPAGVDTAS AVVEFKRKEDTVVATLRVFDADVVPASGELVRRYTSTLLPGDTWAQQTFRVEHWPNETSVQANGSFVRAT VHDYRLVLNRNLSISENRTMQLAVLVNDSDFQGPAGVLLLHFNYSVLPVSLHLPSTYSLSVSRARRFA QIGKVCVENCQAFSGINVQYKLHSSGANCSTLGVVTS AEDTSGILFVNDTKALRRPKCAELHYMVVATDQ QTSRQAQAQLLVTVEGSYVAEEAGCPLSCAVSKRRLECEECGLGSPTGRCEWRQDGKGITRNFSTCSP STKTCPDGHCDVVETQDINICPDCLRGSIVGGHEPGEPRGIKAGYGTNCNFPEEEKCFCEPEDIQDPLC DELCR TRSGTRSGDYKDDDDKGSHHHHHH
Species:	Human
Serotype:	AAV-2
ACCN:	NM_020975
ORF Size:	1905 bp
Buffer:	PBS with 0.001% Pluronic F11424
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_020975.4, NP_066124.1</u>
RefSeq Size:	5629 bp
RefSeq ORF:	3345 bp
Locus ID:	5979
UniProt ID:	<u>P07949</u>
Cytogenetics:	10q11.21
MW:	70.5 kDa