

Product datasheet for **RC224648A1V**

Human Elastin (ELN) (NM_001081752) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Elastin (ELN) (NM_001081752) AAV Particle
Tag:	Myc-DDK
Symbol:	ELN
Synonyms:	ADCL1; SVAS; WBS; WS
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC224648 ORF sequence, **codon optimized**.
 Due to the complexity of NM_001081752, the ORF clone is codon optimized for mammalian Expression.
 The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGC**

ATGGCAGGCCTGACAGCCGCTGCCCCAAGGCCCGGCGTGCTGTTGCTTCTGCTGTCTATTCTGCACCCTTCTAGACCTGGGGGGTACCGGGGGCATTCCCGGTGGCGTCCAGGCGGGGTGTTTTACCCGCACTGGGCCAGGGGGCAAGCCTCTGAAGCCTGTGCCCGTGGCCTCGCTGGGGTGGCCTCGGTGCGGGCTTGGCGCGTTCCCGCTGTACCTTCCCTGGTGCCTGGTACCAGGCGCGTGCCGACGCTGCGGCCGCTACAAGCCGTAAGGCGGGAGCAGGACTCGGGGAGTACCCGGGTAGGTGGCTCGGCGTAAGCGCTGGAGCCGTCGTGCCTCAGCCTGGCGCCGAGTCAAACCTGGGAAGGTGCCCGGGTAGGGCTGCCTGGAGGTACCCAGGCGGAGTTCTCCCGCGCGCCGCTTCCCGGGTGGGAGTCTGCCAGGGTGCCAAAGAGGCCGAGTGAAACCCAAAGCACCTGGCGTCGGCGGTGCGTTCGCCGTATCCCTGGGTAGGTCTTTCGGGGCCCTCAACCCGGTGTGCCGCTTGTTATCCCATCAAAGCCCCAAACTTCCAGGTGGGTACGGCTTGCCATATAACAGGCAAGCTCCCTATGGTACGGACCGGGCGGGTGGCGGGGACCGGCAAGCTGGATACCCACCGGCACAGGAGTGGGGCCACAGGCGGCAGCGCCGCGCTGCCAAGCAGCTGCCAAATTTGGCGGGCGCGCGGAGTCCCTCCCTGGGTTGGCGGTGCCGGCTACCTGGGTACCCGGCGCCATCCCCGGGATTGGAGGAATTGCCGTTGTCGGCACACCCGACAGCGCGCCGCGCGCGGCGCAAGGCAGCCAAATACGGTGGCGTGCAGGGCTGGTACCTGGAGGACAGGTTTTGGACCCGAGTCGTCGGATTCCCGGGCGGAGTCCCTGGCGTCGGGTTCCCGGCCTAGTCCCGGAGCTGGAATTCCTGGCGCGCGTGCCTGGAGTTGTGAGTCTGAAGCAGCCGAAAGCTGCCGCAAGCTGCTAAGTATGGCGCCCGCGTGCCTGGAGTTGTGAGTCTGAAGCAGCCGAAAGCTGCCGCAAGCTGCTAAGTATGGCGCCCGCGCGTGCAGTGGGAGGCATTCTACATATGGCGTGGGAGCCGGCGGGTCCCTGGATTCGGCGTGGGTGTGGCGGAATTCGGCGTGGCCGGCTTCTGGCGTGGGGGAGTTCCCGGTGTTGGCGGGTTCCTGGCGTGGGATCAGCCAGAAGCCCAAGCCGCTGCCGTCGAAAGCCGCAAGTATGGATGGTTCGGGAGTCGGGTCGCACCGGCGTTGGAGTTGCCCTGGCGTGGGAGTGGCACCTGGGTGGGCTGGCCCCCGTGTGGGAGTTGCTCCCGGTGTAGGAGTGGCTCCAGGTGTGGCGTAGCACCCGGCATTGGTCCCGGGGCGTGGCCGCGCGCCAAATCTGCGGCCAAGGTTGCCGCCAAAGCACAATTGAGGGCAGCCGCTGGTTTGGGAGCTGGTATCCCTGGGCTGGGTGTGGGAGTGGGAGTACCCGGTCTTGGTGTGGGAGCGGGGTTCAGGACTCGCGTGGGCGCGCGCTCCCTGGATTTGGTGCAGTGCCGGTGCCCTCGCAGCTGCAAAAGCGGCTAAATACGGGGCGGCAGTCCCTGGAGTGTGGGGGCCCTTGGCGCTTGGGAGGCGTCGGAATACCTGGAGGGTTGTGGGCGTGGACAGCTGCCGACCGCAGCCGCAAGGCCGCTGCTAAGGTGCCAGTTTCGGCCTCGTGGGGCGCGCGGATTGGGAGGGCTTGGCGTCGGTGGCTCGGAGTGGCCGGGTGGGAGGGCTCGGTGGCATTCTCCCGCTGCAGCAGCAAAAGCCGCAATACGGAGTGGCAGCCAGACCTGGGTCGGCTGAGTCCAATCTTCCAGGAGCGCTTGCCTCGGTAAGCTTGCGAAGAAAGCGCAAG

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC224648 representing NM_001081752 Red=Cloning site Green=Tags(s) MAGLTAAAPRPGVLLLLLSILHPSRPGGVPGAIPGGVPGGVFYPALPGGKPLKPVPGGLAGAGLGAGLG AFPVTFPGALVPGGVADAAAAYKAAKAGAGLGGVPGVGGLGVSAGAVVPQPGAGVKPGKVPGVGLPGVY PGGVLPGARFPGVGVLPGVPTGAGVKPKAPGVGGAFAGIPGVGPFGGPQPGVPLGYPIKAPKLPGGYGLP YTTGKLPGYGYGGVAGAAAGKAGYPTGTGVGPQAAAAAAKAAKFGAGAAGVLPVGGGAGVPVPGAIP GIGGIAGVGTAAAAAAKAAKYGAAAGLVPGGPGFGPGVVGVPAGVPGVPGAGIPVVPAGIP GAAVPGVVSPEAAAAKAAKAYGARPGVGVGGIPTYGVGAGGFPGFVGVGIPGVAGVPVGGVPGVG GVPGVGISPEAQAAAAKAAKYGLVPGVGVAPGVGVAPGVGVAPGVGLAPGVGVAPGVGVAPGVGVAPGI PGGVAATAAKSAKVAQAQLRAAAGLGAIPGLGVGVGPGLGVGAGVPLGVGAGVPGFAGVPGALAA AKAAKYGAAPVGLGGLGALGGVGIPGGVVGAGPAAAAAAKAAKAAQFGLVGAAGLGGLVGGLVPG VGGLGGIPAAAAKAAKYGAARPGFGLSPIFPGGACLGKACGRKRK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_001081752
ORF Size:	2031 bp
Buffer:	PBS with 0.001% Pluronic F8835
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_001081752.1, NP_001075221.1</u>
RefSeq Size:	3648 bp
RefSeq ORF:	2034 bp
Locus ID:	2006
UniProt ID:	<u>P15502</u>
Cytogenetics:	7q11.23
MW:	58.8 kDa