

Product datasheet for **RC225832A1V**

Human DUX4L2 (NM_001127386) AAV Particle

Product data:

Product Type:	AAV Particles
Tag:	Myc-DDK
Symbol:	DUX4L2
Synonyms:	DUX4
Mammalian Cell	None
Selection:	
Vector:	pAAV-AC-Myc-DDK (PS100089)



ORF Nucleotide Sequence: >RC225832 ORF sequence, **codon optimized**.
 Due to the complexity of NM_001127386, 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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGGGATGGTCCCTGCCAGCCTGCGGACCCCTCCAGGGCGGGCTCGCCGGATGGCTCGTGTCCGAG
 CAGGGCTGCTGGCGGCCCTGCGCTGTCCACTCTCCAGCCGAGGTTACCGGCAGCCCCCAGCAAGCCT
 GTGCCAAGACCTAGTGTGAAGTTCGCCCTGGTCTGACAGCAATGGCCTGCCACCCCTCCGATTCA
 ACTCTCCCTGCTGAGGCTCGCGACGGGGCGGCAAGAAGGCTTGTGTGGACACCGTCTCAAAGCGAGG
 CTCTGCGGGCTGCTTCGAACGCAACCCATACCCCGGTATCGCAACTCGCGAAAGACTCGCTCAGGCCAT
 AGGCATCCCGGAGCCAGAGTGCAGATCTGGTTCAGAATGAAAGGAGTAGGCAGCTGCGGCAGCACAGG
 AGGGAGTCTCGGCCCTGGCCGGGTGCGCGGGGGCCCCCGAGGGAAGGAGAAACGGACAGCCGTGACTG
 GTAGCCAGACAGCTTTGTTGTTGAGGGCCTTTGAGAAGGACAGGTTTCCCGTATCGCCGCGCGGAGGA
 GCTCGCAAGAGAAACCGGACTCCCGGAGAGTAGAATACAGATTTGGTTCCAGAACAGACAGCACGGCAC
 CCTGGACAGGGCGGGCGGCACAGCTCAAGCTGGCGGCTGTGTTCTGCCGCCCGAGGAGCGGCCACC
 CGGCTCCCAGCTGGGTGCTTTTCGCTCACACTGGCGCTGGGGGACGGGGCTCCCGGCACCACAGTGCC
 TTGCGCCCCGAGCTCTCCCTCAAGGGGCATTTGTGAGCCAAGCTGCCGAGCGGCCCGGCAGTGCAG
 CCCTCCCAAGCAGCTCCTGCCGAAGGGGTGAGTCAGCCCGCACCCGCCAGGGGAGACTTCGCCTATGCAG
 CTCCGGCCCCCTGATGGAGCCCTCAGTCATCCCCAGGCACCTCGCTGGCCTCCACACCCCTGGGAAATC
 ACGGGAAGACCGCGACCCACAACGAGACGGTCTGCCGGTCCATGTGCCGTGGCTCAGCCCGGACCAGCA
 CAGGCCGGCCCTCAAGGACAGGGGTGCTCGCCCCACCTACCTCCAGGGATCTCCCTGGTGGGGCTGGG
 GCAGGGGCCCAAGGTTGCCGGTGTGCTGGGAGCCCCAGGCCGGGGCTGCGCCACCCCAAGCCCGC
 CCCCCAGACGCTTCTGCATCCGCTCGCCAAGGCCAAATGCAGGGTATCCCGGCCCATCTCAGGCTCTG
 CAGGAGCGGCTCCCTGGTCAGCCTTGCCCTGTGGATTGCTGCTCGACGAGCTGCTTGTCTCCAGAGT
 TCCTCCAGCAGGCGCAGCCACTGCTCGAGACGGAAGCTCCCGGGGAGCTGGAAGCGTCCGAAGAGCCGC
 AAGCCTGGAGGCCCTGAGCGAAGAAGATATCGCGCACTGTTGGAGGAAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC225832 representing NM_001127386
 Red=Cloning site Green=Tags(s)

MKGWSLPACGPLQGRLAGWLAVRAGLLAAPAAPHVHSPAIEVHGSPASLCPRPVSVKFRPGLTAMALPTPSDS
 TLPAGEARGRRRLVWTPSQSEALRACFERNPYPGIATRRERLAQAIGIPEPRVQIWFQNERSRQLRQHR
 RESRPWPGRGPPGERRKRTAVTGSQTALLLRAFEKDRFPGIAAREELARETGLPESRIQIWFQNRRAH
 PGQGRAPAQAGGLCSAAPGGGHPAPSWVAFHTGAWGTGLPAPHVPCAPGALPQGAFFVSQAARAAPALQ
 PSQAAPAEVVSQAPARGDFAYAAPPDGLSHPQAPRWPPHPGKSREDRDPQRDGLPGCAVAQPGPA
 QAGPQGQVLAAPTSQGSPPWWGGRGPQVAGAAWEPQAGAAPPQPAPPDASASARQGMQIPAPSQAL
 QEPAPWSALPCGLLLDELLASPEFLQQAQPLLETEAPGELEAEEAASLEAPLSEEEYRALLEEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species: Human
Serotype: AAV-2
ACCN: NM_001127386
ORF Size: 1455 bp

Buffer:	PBS with 0.001% Pluronic F68
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_001127386.1, NP_001120858.2</u>
RefSeq Size:	1380 bp
RefSeq ORF:	1275 bp
Locus ID:	728410
Cytogenetics:	4q35.2
MW:	51.1 kDa