

Product datasheet for **RC209723A1V**

Human Carbonic anhydrase X (CA10) (NM_001082533) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Carbonic anhydrase X (CA10) (NM_001082533) AAV Particle
Tag:	Myc-DDK
Symbol:	Carbonic anhydrase X
Synonyms:	CA-RPX; CARPX; HUCEP-15
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)
ORF Nucleotide Sequence:	>RC209723 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGAATAGTCTGGGAGGTGCTTTTTCTTCTCAAGCCAATTCATCGTCTGCATATCAGCTCAACAGA
ATTCACCAAAATCCATGAAGGCTGGTGGGCATACAAGGAGGTGGTCCAGGGAAGCTTTGTTCCAGTTCC
TTCTTTCTGGGGATTGGTGAATCAGCTTGAATCTTTGCTCTGTGGGAAACGGCAGTCGCCAGTCAAC
ATAGAGACCAGTCACATGATCTTCGACCCCTTTCTGACACCTCTTCGCATCAACACGGGGGCGAGGAAGG
TCAGTGGGACCATGTACAACACTGGAAGACACGTATCCCTTCGCCTGGACAAGGAGCACTTGGTCAACAT
ATCTGGAGGGCCCATGACATACAGCCACCGGCTGGAGGAGATCCGACTACACTTTGGGAGTGAGGACAGC
CAAGGGTCGGAGCACCTCCTCAATGGACAGGCCTTCTCTGGGAGGTGCAGCTCATCCACTATAACCATG
AGCTATATACGAATGTCACAGAAGCTGCAAAGAGTCCAAATGGATTGGTGGTAGTTTCTATTTTATAAA
AGTTTCTGATTCATCAAACCCATTTCTTAATCGAATGCTCAACAGAGATACTATCACAAGAATAACATAT
AAAAATGATGCATATTTACTACAGGGGCTTAATATAGAGGAACTATATCCAGAGACCTCTAGTTTCATCA
CTTACGATGGGTCGATGACTATCCACCCCTGCTATGAGACAGCAAGTTGGATCATAATGAACAAACCTGT
CTATATAACCAGGATGCAGATGCATTCTTGCCTGCTCAGCCAGAACCAGCCATCTCAGATCTTTCTG
AGCATGAGTGACAACCTCAGGCCTGTCCAGCCACTCAACAACCGCTGCATCCGCACCAATATCAACTTCA
GTTTACAGGGGAAGGACTGTCCAAACAACCGAGCCAGAAGCTTCAGTATAGAGTAAATGAATGGCTCCT
CAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence:	>RC209723 protein sequence Red=Cloning site Green=Tags(s) MEIVWEVLFLLQANFIVCISAQQNSPKIHEGWWAYKEVVQGSFVPVPSFWGLVNSAWNLCVSGKRQSPVN IETSHMIFDPFLTPRLINTGGRKVSGTMYNTGRHVSLRLDKEHLVNISSGPMYSHRLEEIRLHFGSEDS QGSEHLLNGQAFSGEVQLIHYNHELYTNVTEAAKSPNGLVVVSIFIKVSDSSNPFLNRMLNRDTITRITY KNDAYLLQGLNIEELYPETSSFITYDGSMTIPPCYETASWIIMNKPVIITRMQMHSRLRLSQNQPSQIFL SMSDNFRPVQPLNNRCIRTNINFSLQKDCPNNAQKLQYRVNEWLLK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_001082533
ORF Size:	984 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_001082533.1, NP_001076002.1</u>
RefSeq Size:	3386 bp
RefSeq ORF:	987 bp
Locus ID:	56934
UniProt ID:	<u>Q9NS85</u>
Cytogenetics:	17q21.33-q22
MW:	37.6 kDa