

Product datasheet for **RC211651A1V**

Human Histidase (HAL) (NM_002108) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Histidase (HAL) (NM_002108) AAV Particle
Tag:	Myc-DDK
Symbol:	HAL
Synonyms:	HIS; HSTD
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC211651 ORF sequence

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCAGATACACGGTGCACGTACGTGGGAATGGCTGGCAGTGCCCTGCCAGGACGCGCAGCTCACTG
TGGGCTGGCTGGGCCGGGAGGCCGTGAGGCGCTATATCAAGAATAAGCCCGACAATGGTGGCTTCACCTC
CGTGGATGACGCGCACTTCCTTGTGCGCCGGTGAAGGCCCTGGGCTGCTGGACAACGAGGACCGGCTC
GAGGTGGCCCTAGAGAACAACGAGTTCTGTGAAGTGGTTATAGAGGGTGATGCCATGTCTCCTGACTTCA
TTCCATCTCAACCAGAAGGAGTTTATCTATACAGCAAGTACCGGGAGCCTGAAAAGTACATCGAGTTAGA
TGGAGACCGTCTGACCACGAGGATCTGGTCAACTTGGGAAAGGACGCTACAAAATAAGCTCACCCCA
ACAGCTGAGAAGAGGGTGCAGAAATCCAGGGAGGTCATAGATAGCATCATAAAGAGAAAACAGTTGTTT
ACGGTATTACTACAGTTTTTGGGAAATTTGCCAGAACTGTAATTCCTATCAATAAGCTACAGGAGCTTCA
GGTCAACTTAGTACGCTCACATTCTTCAGGTGTTGGGAAACCACTAAGTCCTGAGAGGTGTCGGATGCTC
TTGGCTTTAAGGATCAATGTCTTAGCCAAAGGATACAGTGGCATTTCCTGGAGACCCTCAAACAAGTCA
TAGAAATGTTTAAATGCCTCCTGCCTGCCTATGTCCCAGAGAAAGGAACCGTTGGTGCCAGTGGAGACCT
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GCTGATGCTAAATACGTGCTAGAAGCCCATGGATTGAAACCAAGTTATTTTAAACCAAAAGAGGGCCTGG
CACTCATCAATGGGACGAGATGATCACATCCCTGGGCTGTGAAGCTGTAGAGCGAGCCAGTGTATTGC
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GACATTCATGCTCTTCGACCTCACCGTGGGCAAATTGAAGTTGCTTTTCGGTTTCGGTCACTCTTGGACT
CAGATCACCAACCCATCAGAAATAGCAGAGAGTCACAGTTCTGTGATCGCGTCCAGGATGCATACACCTT
GCGCTGCTGTCCACAGGTCCATGGTGTGGTGAATGATACAATAGCATTGTGAAGAACATCATTACCACA
GAACTGAACAGCGCAACAGATAATCCTATGGTCTTTGCCAATAGGGGAGAGACAATTTCTGGAGGAACT
TCCATGGTGAATACCCAGCCAAAGCCCTAGACTACTTGGCCATTGGCATCCATGAACTTGCTGCAATCAG
TGAGAGAAGAATCGAGCGGCTCTGCAATCCCTCCCTCAGTGAGCTGCCTGCCTTCTGGTGGCTGAAGGT
GGTCTGAACTCTGGGTTTCATGATAGCTCACTGCACGGCAGCAGCCCTTGTTCGAGAACAAGGCTCTGT
GCCATCCCTCGTCTGTTGACTCCCTCTCCACCAGCGCAGCCACGGAGGACCACGCTCTCCATGGGAGGATG
GGCAGCAAGGAAAGCCCTCAGGGTCATCGAGCATGTGGAGCAAGTGTGGCCATCGAGCTCCTTGACGCC
TGCCAGGGCATAGAGTTTCTACGTCCCCTGAAAACAACCACTCCGCTGGAGAAGGTCTATGACCTGGTGC
GCTCTGTTGTAAGGCCCTGGATAAAAGATCGCTTCATGGCCCCGACATCGAGGCAGCCACAGGCTGCT
CCTGGAGCAGAAGGTTTGGGAAGTAGCTGCTCCATACATTGAAAAATACAGAATGGAGCATATTCCAGAA
TCAAGACCTCTTTCTCCAACAGCCTTTTCACTGCAATTTCTGCACAAGAAATCCACCAAAATCCCGGAGT
CTGAGGACCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC211651 protein sequence Red=Cloning site Green=Tags(s) MPRYTVHVRGEWLAVPCQDAQLTVGWLGREAVRRYIKNKP DNGGFTSVDDAHFLVRRCKGLGLLDNEDRL EVALENNEFVEVIEGDAMSPDFIP SQPEGVYL YSKYREPEKYIELDGDRLTTEDLVNLGKGRIKLT TAEKRVQKSREVIDSIIKEKTVVYGITTGFGKFARTVIPINKLQELQVNLVRSHSSGVGKPLSPERCRML LALRINVLAKGYSGISLET LKQVIEMFNASCLPYVPEKGTVGASGDLAPLSHLALGLVGEKMWSPKSGW ADAKYVLEAHGLKPVILKPK EGLALINGTQMITS LGCEAVERASAIARQADIVAALTLEVLKGTTKAFDT DIHALRPHRGQIEVAFRFRSLLDS DHPSEIAESHRFCDRVQDAYTLRCCPQVHGVVNDTIAFVKNIITT ELNSATDNPMVFANGETISGGNFHGEYPAKALDYLAIGIHELAAISERRIERLCNPSELPAFLVAEG GLNSGMIAHCTAAALVSENKALCHPSSVDSLSTSAATEDHVS MGGAARKALRVIEHVEQVLAIELLAA CQGIEFLRPLKTTTTPLEKYYDLVRSVVRPWIKDRFMAPDIEAAHRLLEQKVWEAAPYIEKYRMEHIPE SRPLSPTAFSLQFLHKKSTKIPESDL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_002108
ORF Size:	1971 bp
Buffer:	PBS with 0.001% Pluronic F6759
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:	NM_002108.2
RefSeq Size:	3927 bp
RefSeq ORF:	1974 bp
Locus ID:	3034
UniProt ID:	P42357
Cytogenetics:	12q23.1
MW:	72.7 kDa