

Product datasheet for **RC200197A1V**

Human 2 Hydroxy phytanoyl CoA lyase (HACL1) (NM_012260) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human 2 Hydroxy phytanoyl CoA lyase (HACL1) (NM_012260) AAV Particle
Tag:	Myc-DDK
Symbol:	HACL1
Synonyms:	2-HPCL; HPCL; HPCL2; PHYH2
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC200197 ORF sequence

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGTCGGGACAGTAACCTCGCAGAGCGCAGCGAGGAGCAGGTGTCTGGTGCTAAAGTCATCGCTCAGGCCG
TGAAACGCAAGATGTGGAGTACATATTTGGCATCGTAGGCATCCCAGTGACCGAAATCGCCATTGCTGC
CCAGCAGCTAGGCATCAAGTACATCGGGATGAGGAATGAGCAAGCGGCTTGTTATGCTGCCTCCGCGATT
GGATATCTGACAAGCAGGCCAGGAGTCTGCCTTGTTGTTTCTGGCCAGGTCATCCATGCCTTGGGCG
GTATGGCAAATGCAAACATGAAGTCTGGCCCTTGCTTGATTGGTGGTTCCTCTGAAAGAAACCAAG
AACAAATGGGAGCTTTCAGGAGTTTCTCAGGTTGAAGCTTGATATTATACCAAGTCTCTGCCCCG
CCAAGCAGCATAGAAGCTATTCCTTTTGTTATTGAAAAGGCAGTGAGAAGCAGTATCTATGGTCGTCAG
GTGCTTGCTATGTTGACATACCAGCAGATTTTGTAACCTTCAGGTGAATGTGAATTCTATAAAGTACAT
GGAACGCTGCATGTCACCTCCTATTAGCATGGCAGAAACCTCTGCTGTGTGCACGGCGGCTTCTGTTATT
AGGAATGCCAAACAACCCCTTCTTATCATCGGAAAAGGTGCTGCTTACGCTCATGCAGAAGAGAGTATCA
AGAAATTGGTGGAGCAATATAAAGTCCATTTTTGCCACCCCTATGGGGAAGGGTGTTGTCCCTGACAA
CCATCCATACTGTGTAGGTGCAGCCAGATCCAGGCGCTTGCAATTTGCTGATGTAATTGTGTTATTTGGT
GCCAGACTAAATTGGATTTTACATTTTGGACTGCCTCCAAGATATCAGCCAGATGTGAAGTTTATCCAG
TTGATATCTGTGCAGAAGAATTGGGGAATAATGTAAAGCCCGCTGTTACTTTGCTAGGAAACATACATGC
TGTCATAAGCAGCTTTTAGAGGAACTTGATAAAACACCATGGCAGTATCCTCCAGAGAGCAAGTGGTGG
AAAAGTCTGAGAGAAAAATGAAGAGCAATGAAGCTGCATCCAAGGAAGTACCTTCTAAAAATCCCTGC
CTATGAATTATTACACAGTATTCTACCATGTTCAAGAACAACTACCTAGAGACTGTTTCGTGGTAAGTGA
AGGAGCAAACTACTATGGACATTGGACGGACTGTGCTTCAGAAGTACCTTCTCGTCACAGGCTTGATGCT
GGTACTTTCCGAAACAATGGGAGTTGGTTTGGGATTGCTATTGCAGCTCCGCTGGTGGCTAAAGATAGAA
GCCCTGGGCAATGGAATCATCTGTGTGGAAGGAGACAGTGCATTTGGGTTTTCTGGCATGGAGGTAGAAAC
CATCTGCAGGTAGCAACTTGCCAATCATACTGTTGGTAGTGAATAACAAATGGAATTTACCAAGGTTTTGAT
ACAGATACTTGAAAGAATGTTAAAAATTTCAAGATGCTACTGCAGTGGTCCCTCCAATGTGTTTGCTGC
CAAATTCACATTATGAGCAAGTCATGACTGCATTTGGAGGCAAAGGGTATTTTGACAAACACCAGAAGA
ACTCCAAAAATCCCTGAGGCAGAGCCTAGCAGACACAACATAAACCTTCTCTTATCAACATCATGATTGAG
CCCCAAGCCACACGGAAGGCCAGGATTTTCATTGGCTGACCCGCTCTAATATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC200197 protein sequence

Red=Cloning site Green=Tags(s)

MPDSNFAERSEEQVSGAKVIAQALKTQDVEYIFGLVIGIPVTEIAIAAQQGLGIKYIGMRNEQAACYAASAI
GYLTSRPGVCLVVSGLIHALGGMANANMNCWPLLVIIGSSERNQETMGAFQEPQVEACRLYTKFSAR
PSSIEAIPFVIEKAVRSSIYGRPGACYVDIPADFVNLQVNVNSIKYMERCMSPPI SMAETSAVCTAASVI
RNAKQPLLIIGKGAAYAHAEESIKKLEQYKLPFLPTPMGKGVVDPDNHPYCVGAARSRALQFADVIVLFG
ARLNIWLHFGLPPTYQPDVKFIQVDICAEELGNNVKPAVTLGNIAHVTKQLLEELDKTPWQYPPEKWW
KTLREKMSNEAASKELASKKSLPMNYTVFYHVQEQLPDRCFVYSEGANTMDIGRTLQNYLPRHRLDA
GTFTGMVGLGFAIAAAVAKDRSPGQWIIQVGEVSAFGFSGMEVETICRYNLPILLVNNNGIYQGF
TDTWKEMLFQDATAVVPMLLPNSHYEQVMTAFGGKGYFVQTPEELQKSLRQSLADTTKPSLINIMIE
POATRAQDFHWLTRSNM

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:	NM_012260
ORF Size:	1734 bp
Buffer:	PBS with 0.001% Pluronic F5025
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_012260.2</u>
RefSeq Size:	2287 bp
RefSeq ORF:	1737 bp
Locus ID:	26061
UniProt ID:	<u>Q9UJ83</u>
Cytogenetics:	3p25.1
MW:	63.7 kDa