

## Product datasheet for **RC222719A1V**

### Human Cathepsin B (CTSB) (NM\_147780) AAV Particle

#### Product data:

Product Type:	AAV Particles
Product Name:	Human Cathepsin B (CTSB) (NM_147780) AAV Particle
Tag:	Myc-DDK
Symbol:	Cathepsin B
Synonyms:	APPS; CPSB; RECEUP
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)
ORF Nucleotide Sequence:	>RC222719 representing NM_147780 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTGGCAGCTCTGGCCTCCCTCTGCTGCCTGCTGGTGTGGCCAATGCCCGGAGCAGGCCCTCTTTCC  
ATCCCCGTGGATGAGCTGGTCAACTATGTCAACAAACGGAATACCACGTGGCAGGCCGGGCACAACCT  
CTACAACGTGGACATGAGCTACTTGAAGAGGCTATGTGGTACCTTCTGGGTGGGCCAAGCCACCCAG  
AGAGTTATGTTTACCGAGGACCTGAAGCTGCCTGCAAGCTTCGATGCACGGGAACAATGGCCACAGTGTC  
CCACCATCAAAGAGATCAGAGACCAGGGCTCCTGTGGCTCCTGCTGGCCTTCGGGGCTGTGGAAGCCAT  
CTCTGACCGGATCTGCATCCACACCAATGCGCACGTGACGCTGGAGGTGTCGGCGGAGGACCTGCTCACA  
TGCTGTGGCAGCATGTGTGGGACGGCTGTAATGGTGGCTATCCTGCTGAAGCTTGAACCTCTGGACAA  
GAAAAGGCCTGGTTTCTGGTGGCCTCTATGAATCCCATGTAGGGTGCAGACCGTACTCCATCCCTCCCTG  
TGAGCACCACGTCAACGGCTCCCGGCCCCATGCACGGGGAGGGAGATACCCCAAGTGTAGCAAGATC  
TGTGAGCCTGGCTACAGCCGACCTACAACAGGACAAGCACTACGGATAACAATCCTACAGCGTCTCCA  
ATAGCGAGAAGGACATCATGGCCGAGATCTACAAAACGGCCCGTGGAGGGAGCTTTCTGTGTATTC  
GGACTTCTGCTCTACAAGTCAAGAGTGTACCAACACGTACCCGAGAGATGATGGGTGGCCATGCCATC  
CGCATCCTGGGCTGGGAGTGGAGAATGGCACACCCTACTGGCTGGTTGCCAACTCCTGGAACACTGACT  
GGGGTGACAATGGCTTCTTTAAAATACTCAGAGGACAGGATCACTGTGGAATCGAATCAGAAGTGGTGGC  
TGAATCCACGCACCGATCAGTACTGGAAAAGATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA



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<b>Protein Sequence:</b>	>RC222719 representing NM_147780 Red=Cloning site Green=Tags(s)  MWQLWASLCCLLVLANARSRPSFHPLSDELVNYVNRNTTWQAGHNFYVNDMSYLKRLCGTFLGGPKPPQ RVMFTEDLKLPA SF DAREQWPQCPTIKEIRDQGSCGSCWAFGAVEAISDRICIHNAHVSVEVSAEDLLT CCGSMCGDGCNGGYPAEAWNFWRKGLVSGGLYESHVGCRPYSIPPCEHHVNGSRPPCTGEGDTPKCSKI CEPGYSPTYKQDKHYGYSYSVSNSEKDIMAEIYKNGPVEGAFSVYSDFLLYKSGVYQHVVTGEMMGGHAI RILGWGVENGPYWL VANSWNTDWGDN GFFKILRGQDHCGIESEVVAGIPRTDQYWEKI  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
<b>Species:</b>	Human
<b>Serotype:</b>	AAV-2
<b>ACCN:</b>	NM_147780
<b>ORF Size:</b>	1017 bp
<b>Buffer:</b>	PBS with 0.001% Pluronic F68
<b>Stability:</b>	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.
<b>RefSeq:</b>	<a href="#">NM_147780.2</a>
<b>RefSeq Size:</b>	3945 bp
<b>RefSeq ORF:</b>	1020 bp
<b>Locus ID:</b>	1508
<b>UniProt ID:</b>	<a href="#">P07858</a>
<b>Cytogenetics:</b>	8p23.1
<b>MW:</b>	35.9 kDa