

Product datasheet for **RC211776A1V**

Human Calpastatin (CAST) (NM_001750) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Calpastatin (CAST) (NM_001750) AAV Particle
Tag:	Myc-DDK
Symbol:	CAST
Synonyms:	BS-17; PLACK
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC211776 representing NM_001750
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCCAGCCCGGCCAGAAGCCCGCCGCTCCCCGCGGCCCGGCGAGCAGCCGCCGCCGCCGACCC
 ATGAGCATGTCAGTGAAAAAACAGTGAATCGCCTTCCAAACAGGAGAAAAAGGATCAGATGAGAA
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 ATGATGCTGTAGAAGCCTTGGCTGATAGCCTGGGAAAAAGGAAGCAGATCCAGAAGATGGAAGACCTGT
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 GCTTCAACGACCCAAGCTGGAGCCCCACCCCGTGATACCTCGCAGAGTGACAAAGACCTCGATGATGCCT
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 TACAGAAACCTCACAGAACACAGCAAAGGATAAGTGCAAGAAGGCTGCTTCCAGCTCAAAGCACCTAAG
 AATGGAGGTAAGCGAAGGATTCAGCAAAGACAACAGAGGAACTTCCAAGCCAAAAGATGAC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC211776 representing NM_001750 Red=Cloning site Green=Tags(s) MSQPGQKPAASPRPRRAAAARRTHEHVSEKTSSESPSKPGEKKGSDEKKAASLGSSQSSRTYAGGTASATK VSASSGATSKSSSMNPETETKAIPVSQQMEGPHLPNKKHKKQAVKTEPEKKSQSTKL SVVHEKKSQEGKP KEHTEPKSLPKQASDTGSNDAHNKKAVSRSAEQPSEKSTEPKTKPQDMISAGGESVAGITAISGKPGDK KKEKKSLTPAVPVESKPDKPSGKSGMDAALDDLIDTLGGPEETEEENTTYTGPEVSDPMSSTYIEELGKR EVTIPPKYRELLAKKEGITGPPADSSKPIGPDDAIDALSSDFTCGSPTAAGKKTEKEESTEVLKAQSSGT VRSAAAPQEKKRKVEKDTMSDQALEAL SASLGTRQAEPELDLRSIKEVDEAKAKEEKLEKCGEDDETIPS EYRLKPATDKDGKPLLEPEEEKPKPRSESELIDELSEDFDRSECKEKPSKPTKTEESKAAAPAPVSEAV CRTSMCSIQSAPPEPATLKGTPDDAVEALADSLGKKEADPEDGKPVMDKVKEKAKEEDREKLGEKEETI PPDYRLEEVKDKDGKPLLPKESKEQLPPMSSEDFLLDALSEDFSGPQNASSLKFEDAKLAAAI SEVVSQTP ASTTQAGAPPRDTSQSDKDLDDALDKLSDSLGQRQPDENKPMEDKVKEKAKAEHRDKLGERDDTIPPE YRHLDDNGQDKPVKPPTKKSEDSKKPADDQDPIDALSGDL DSCPSTTETSQNTAKDKCKKAASSSKAPK NGGKAKDSAKTTEETSKPKDDTRTRPLEQKLISEEDLAANDILDYKDDDDKV* TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_001750
ORF Size:	2373 bp
Buffer:	PBS with 0.001% Pluronic F6776
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_001750.5
RefSeq Size:	4629 bp
RefSeq ORF:	2376 bp
Locus ID:	831
UniProt ID:	P20810
Cytogenetics:	5q15
MW:	84.8 kDa