

Product datasheet for **RC205859A1V**

Human GRP78 (HSPA5) (NM_005347) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human GRP78 (HSPA5) (NM_005347) AAV Particle
Tag:	Myc-DDK
Symbol:	HSPA5
Synonyms:	BIP; GRP78; HEL-S-89n
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC205859 ORF sequence

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

 TTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCTCTCCCTGGTGGCCGCGATGCTGCTGCTCAGCGCGCGCGGGCCGAGGAGGAGACAAGA
 AGGAGGACGTGGGCACGGTGGTCGGCATCGACCTGGGGACCACTACTCCTGCGTCGGCGTGTTCAAGAA
 CGGCCGCGTGGAGATCATCGCCAACGATCAGGGCAACCGCATCACGCCGTCCTATGTCGCCTTCACTCCT
 GAAGGGGAACGTCTGATTGGCGATGCCGCCAAGAACCAGCTCACCTCCAACCCGAGAACACGGTCTTTG
 ACGCCAAGCGGCTCATCGGCCGACGTGGAATGACCCGCTGTGCAGCAGGACATCAAGTTCTTGCCGTT
 CAAGGTGGTTGAAAAGAAACTAAACCATACATTCAAGTTGATATTGGAGGTGGGCAACAAAGACATTT
 GCTCCTGAAGAAATTTCTGCCATGGTTCTCACTAAAATGAAAGAAACCGCTGAGGCTTATTTGGGAAAGA
 AGGTTACCCATGCAGTTGTTACTGTACCAGCCTATTTTAATGATGCCAACGCCAAGCAACCAAGACGC
 TGGAATATTGCTGGCCTAAATGTTATGAGGATCATCAACGAGCCTACGGCAGCTGCTATTGCTTATGGC
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 TTCTCACCATTGACAATGGTGTCTTCGAAGTTGTGGCCACTAATGGAGATACTCATCTGGGTGGAGAAGA
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 AAGCAAGAATTGAAATTGAGTCCTTCTATGAAGGAGAAGACTTTTCTGAGACCTGACTCGGGCCAAATT
 TGAAGAGCTCAACATGGATCTGTTCCGGTCTACTATGAAGCCCGTCCAGAAAGTGTGGAAAGATTCTGAT
 TTGAAGAAGTCTGATATTGATGAAATTGTTCTTGTGGTGGCTCGACTCGAATTCAAAGATTGAGCAAC
 TGGTTAAAGAGTTCTTCAATGGCAAGGAACCATCCCGTGGCATAAACCCAGATGAAGCTGTAGCGTATGG
 TGCTGCTGTCCAGGCTGGTGTCTCTCTGGTGATCAAGATACAGGTGACCTGGTACTGCTTGATGTATGT
 CCCCTTACACTTGGTATTGAACTGTGGAGGTGTCATGACCAAACTGATTCCAAGGAACACAGTGGTGC
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 AGGTGAAAGACCCCTGACAAAAGACAATCATCTTCTGGGTACATTTGATCTGACTGGAATTCCTCCTGCT
 CCTCGTGGGTCCACAGATTGAAGTCACCTTTGAGATAGATGTGAATGGTATTCTTCGAGTGACAGCTG
 AAGACAAGGTACAGGAACAAAATAAGATCACCAATCACCAATGACCAGAATCGCCTGACACCTGAAGA
 AATCGAAAGGATGGTTAATGATGCTGAGAAGTTTGCTGAGGAAGACAAAAGCTCAAGGAGCGCATTGAT
 ACTAGAAATGAGTTGAAAGCTATGCCTATTCTCTAAAGAATCAGATTGGAGATAAGAAAAGCTGGGAG
 GTAAACTTTCTCTGAAGATAAGGAGACCATGGAAAAAGCTGTAGAAGAAAAGATTGAATGGCTGGAAAG
 CCACCAAGATGCTGACATTGAAGACTTCAAAGCTAAGAAGAAGGAACTGGAAGAAATTGTTCAACCAATT
 ATCAGCAAACTCTATGGAAGTGCAGGCCTCCCCCAACTGGTGAAGAGGATACAGCAGAAAAAGATGAGT
 TG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC205859 protein sequence Red=Cloning site Green=Tags(s) MKLSLVAAMLLLLSAARAEEDKKEDVGTVVGIDLGTTYSCVGVFKNGRVEIIANDQGNRITPSYVAFTP EGERLIGDAAKNQLTSNPENTVFDAKRLIGRTWNPSPVQQDIKFLPFKVVEKTKPYIQVDIGGGQTKTF APEEISAMVLTKMKETAAYLGKKVTHAVVTPAYFNDAQRQATKDAGTIAGLNMRIINEPTAAAIAYG LDKREGEKNILVFDLGGGTFDVSLLTIDNGVFVATNGDTHLGGEDFDQVRMEHFIKLYKKKTGKDVRK DNRAVQKLRRVEKAKRALSSQHQARIEIESFYEGEDFSETLTRAKFEELNMDLFRSTMKPVQKVLSD LKKSIDIIEIVLVGGSTRIPKIQQLVKEFFNGKEPSRGINPDEAVAYGAAVQAGVLSGDQDTGDLVLLDVC PLTLGIETVGGVMTKLIPRNTVVPTKKSQIFSTASDNQPTVTIKVYEGERPLTKDNHLLGTGDLTGIPPA PRGVPQIEVTFEIDVNGILRVTAEDKGTGNKNKITITNDQNRLTPEEIERMVNDAEKFAEEDKKKERID TRNELESYAYSLKNQIGDKEKLGKLSSEDKETMEKAVEEKIEWLESHQDADIEDFKAKKKELEEIVQPI ISKLYGSAGPPPTGEEDTAEKDEL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_005347
ORF Size:	1962 bp
Buffer:	PBS with 0.001% Pluronic F5776
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_005347.2</u>
RefSeq Size:	3973 bp
RefSeq ORF:	1965 bp
Locus ID:	3309
UniProt ID:	<u>P11021</u>
Cytogenetics:	9q33.3
MW:	72.3 kDa