

Product datasheet for **RC206340A1V**

Human SPG7 (NM_003119) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human SPG7 (NM_003119) AAV Particle
Tag:	Myc-DDK
Symbol:	SPG7
Synonyms:	CAR; CMAR; PGN; SPG5C
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC206340 ORF sequence

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCCGTGCTGCTGCTGCTGCTCCGTGCCCTCCGCCGGGTCCAGGCCGGGTCTCGGCCGTGTGGG
GCCCAGGCCCGCCTGGAGTCCAGGGTTCCCGCCAGGCCGGGAGGGGCGGCCGTACATGGCCAGCAG
GCCTCCGGGGACCTCGCCGAGGCTGGAGGCCGAGCTCTGCAGAGCTTACAATTGAGACTGCTAACCCCT
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CGGCTGCGCACCTTGCTGGTCATCGCGTTGTCATGAGCCTCCTGAATGCTCTCAGCACCAGCGGAGGCA
GCATTTCTGGAACGACTTTGTCCACGAGATGCTGGCCAAGGGCGAGGTGCAGCGCTCCAGGTGGTGCC
TGAGAGCGACGTGGTGAAGTCTACCTGCACCCTGGAGCCGTGGTGTGGGCGCCCTCGGCTAGCCTTG
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TCACCCGCATCGCCTACTCCATGGTGAAGCAGTTTGGGATGGCACCTGGCATCGGGCCCATCTCCTTCCC
TGAGGCGCAGGAGGGCCTCATGGGCATCGGGCGGCGCCCTTCAGCCAAGGCCTGCAGCAGATGATGGAC
CATGAAGCAAGACTGCTGGTGGCCAAGGCCTACAGACACACCGAGAAGGTGCTGCAGGACAACCTGGACA
AGTTGCAGGCGCTGGCAAACGCCCTTCTGGAAGGAAGTGAATAACTATGAGGACATTGAGGCTCTCAT
TGGCCCCGCCCCCATGGGCCGAAGAAAATGATCGACCGCAGAGGTGGATCGACGCCAGAGGGAGAAA
CAGGACTTGGGCGAGGAGGAGACCGAAGAGACCCAGCAGCTCCACTTGGAGGCGAAGAGCCGACTTGGC
CCAAG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC206340 protein sequence Red=Cloning site Green=Tags(s) MAVLLLLLRALRRGPGPRPLWGPAPWSPGFARPGRGRPYMASRPPGDLAEAGGRALQSLQLRLLTP TFEGINGLLLLKQHLVQNPVRLWQLLGGTFYFNTSRLKQKNKEKDKSKGKAPEEDEEERRRRERDDQMYRE RLRTLVIQVMSLLNALSTSGGSIWNDFVHEMLAKGEVQRVQVVPESDVVEVYLHPGAVVFGPRRLAL MYRMQVANIDKFEEKLRAAEDELNIEAKDRIPVSYKRTGFFGNALYSVGMTAVGLAILWYVFRLAGMTGR EGGFSANQLKMARFTIVDGKMGKGVSKDVAGMHEAKLEVREFVDYLSKPERFLQLGAKVPKGALLLGP PGCGKTLAKAVATEAQVPFLAMAGAEFVEVIGGLGAARVRSLFKEARARAPCIYIDEIDAVGKKRSTT MSGFSNTEEEQTLNQLLVEMDGMGTTDHVIVLASTNRADILDGALMRPGRDRHVFIDLPTLQERREIFE QHLKSLKLTQSSTFYSQLAELTPGFSGADIANICNEAALHAAREGHTSVHTLNFEYAVERVLAGTAKKS KILSKEEQKVAFHESGHALVGWMLEHTEAVMKVSIPTRTNAALGFAQMLPRDQHLFTKEQLFERMCMAL GGRASEALSFNEVTSGAQDDLKRVTRIAYSMVKQFGMAPGIGPISFPEAQEGLMGIGRRPFSQGLQQMMD HEARLLVAKAYRHTKVLQDNLKQLALANALLEKEVINYEDIEALIGPPPHGPKKMIAPQRWIDAQREK QDLGEEETEETQQPPLGGEEPTWPK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_003119
ORF Size:	2385 bp
Buffer:	PBS with 0.001% Pluronic F5868
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_003119.2</u>
RefSeq Size:	3102 bp
RefSeq ORF:	2388 bp
Locus ID:	6687
UniProt ID:	<u>Q9UQ90</u>
Cytogenetics:	16q24.3
MW:	88.2 kDa