

Product datasheet for **RC220458A1V**

Human Spastin (SPAST) (NM_014946) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Spastin (SPAST) (NM_014946) AAV Particle
Tag:	Myc-DDK
Symbol:	SPAST
Synonyms:	ADPSP; FSP2; SPG4
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC220458 representing NM_014946
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAATTCTCCGGGTGGACGAGGGAAGAAGAAAGGCTCCGGCGGCCAGCAACCCGGTGCCTCCCAGGC
 CTCCGCCCCCTTGCTTGCCCCCGCCCTCCCGCCGCCGGGCCGCCCTCCGCCCGAGTCGCAGCATAA
 GCGGAACCTGTACTATTTCTCTACCCGCTGTTTGTAGGCTTCGCGCTGCTGCGTTTGGTCGCTTCCAC
 CTGGGGCTCCTCTTCTGTGGCTCTGCCAGCGCTTCTCCCGCGCCCTCATGGCAGCCAAGAGGAGCTCCG
 GGGCCGCGCCAGCACCTGCCTCGGCCTCGGCCCGGCCGGTCCGGGGCGGAGGCCGAGCGCTCCG
 AGTCTTCCACAAACAGGCCTTCGAGTACATCTCCATTGCCCTGCGCATCGATGAGGATGAGAAAGCAGGA
 CAGAAGGAGCAAGCTGTGAATGGTATAAGAAAGGTATTGAAGAACTGAAAAAGGAATAGCTGTTATAG
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 GGCCAAGGACCGTTACAACCTTAGAGAAGATGCAACCAAGTTTGGCATTTCAGCTCACAACCGGAC
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 GGATCTGGTCTGCTCTACCACTCATAAGGCTACTCCGAAAAACAAATAGGACAAATAAACCTTCTACCC
 CTACAACCTGCTACTCGTAAGAAAAAGACTTGAAGAATTTAGGAATGTGGACAGCAACCTTGCTAACCT
 TATAATGAATGAAATTGTGGACAATGGAACAGCTGTAAATTTGATGATATAGCTGGTCAAGACTTGGCA
 AAACAAGCATTGCAAGAAATTGTTATTTCTTCTCTGAGGCCTGAGTTGTTACAGGGCTTAGAGCTC
 CTGCCAGAGGGCTGTTACTCTTTGGTCCACCTGGGAATGGGAAGACAATGCTGGCTAAAGCAGTAGCTGC
 AGAATCGAATGCAACCTTCTTTAATATAAGTGCCTGCAAGTTTAACTTCAAAATACGTGGGAGAGGAGAG
 AAATTGGTGAGGGCTCTTTTGTGTGGCTCGAGAACCTCAACCTTCTATAATTTTATAGATGAAGTTG
 ATAGCCTTTTGTGTAAAGAAGAGAAGGGGAGCACGATGCTAGTAGACGCCTAAAACTGAATTTCTAAT
 AGAATTTGATGGTGTACAGTCTGCTGGAGATGACAGAGTACTTGAATGGGTGCAACTAATAGGCCACAA
 GAGCTTGATGAGGCTGTTCTCAGGCGTTTCATCAAACGGGTATATGTGCTTTACCAATGAGGAGACAA
 GACTACTTTTGTCTAAAAATCTGTTATGTAACAAGGAAGTCCATTGACCCAAAAAGAACTAGCACAAC
 TGCTAGAACTGATGATGATACTCAGGAAGTACCTAACAGCTTTGGCAAAAGATGCAGCACTGGGTCT
 ATCCGAGAACTAAAACAGAACAGGTGAAGAATATGTCTGCCAGTGAGATGAGAAATATTCGATTATCTG
 ACTTCACTGAATCCTTGAATAAATAAACGCAGCGTCAGCCCTCAAACTTTAGAAGCGTACATACGTTG
 GAACAAGGACTTTGGAGATACCACTGTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC220458 representing NM_014946
 Red=Cloning site Green=Tags(s)

MNSPGGRGKKKSGGASNPVPPRPPPPCLAPAPPAAGPAPPESQHKRNLYYFSYPLFVGFALLRLVAFH
 LGLLFVWLCQRFSRALMAAKRSSGAAPAPASAPAPVPGGEAERVVRFHKQAFEYISIALRIDEDEKAG
 QKEQAVEWYKKGIEELEKGIIVTQGGEQCERARRLQAKMMTNLVMKDRLQLLEKMQPVL PFSKSTQD
 VYNDSTNLACRNGHLQSESGAVPKRDP LTHTSNSLPRSKTVMKTGSAGLSGHHRAPSYSGLSMVSGVKQ
 GSGPAPTTTHKGTPKTNRTNKPSTPTTATRKKDLKNFRNVDSNLNANLIMNEIVDNGTAVKFDDIAGQDLA
 KQALQEIVILPSLRPELFTGLRAPARGLLLFGPPGNGKTM LAKAVAAESNATFFNISAASTSKYVGE
 KLVRALFAVARELQPSIIFIDEVDSLLCERREGEHDASRLKTEFLIEFDGVQSAGDDRVLVMGATNRPQ
 ELDEAVLRRFIKRVYVSLPNEETRLLLLKNLLCKQGSPLTQKELAQ LARMTDGYSGSDLTALAKDAALGP
 IRELKPEQVKMMSASEMRNIRLSDFTESLKKIKRSVSPQTLEAYIRWNKDFGDTTV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_014946
ORF Size:	1848 bp
Buffer:	PBS with 0.001% Pluronic F8177
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_014946.3</u>
RefSeq Size:	5221 bp
RefSeq ORF:	1851 bp
Locus ID:	6683
UniProt ID:	<u>Q9UBP0</u>
Cytogenetics:	2p22.3
MW:	67 kDa