

Product datasheet for **RC210350A1V**

Human SPATA7 (NM_001040428) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human SPATA7 (NM_001040428) AAV Particle
Tag:	Myc-DDK
Symbol:	SPATA7
Synonyms:	HEL-S-296; HSD-3.1; HSD3; LCA3
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC210350 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGATGGCAGCCGAGAGTCTAGAGCAACCTCTGCTCTCCAGATATGGTCCACCGTGCCTATTTAAAG
 GACACTTGAGCACCAAAAGTAATGCTGCAGTAGACTGCTCGTTCCAGTAAGCGTGAGTACCAGCATAAA
 GTATGCAGACCAACAACGAAGAGAGAACTCAAAAAGGAATTAGCACAATGTGAAAAAGAGTTCAAATTA
 ACTAAACTGCAATGCGAGCCAATTATAAAAAAATTCCTCAAGTCACTTTTAAATACCTTACAAAAGCCCT
 CAGGCGAACCGCAAATTGAGGATGACATGTTAAAGAAGAAATGAATGGATTTTCATCCTTTGCAAGGTC
 ACTAGTACCCTCTTCAGAGAGACTACACCTAAGTCTACATAAATCCAGTAAAGTCATCACAATGGTCTCT
 GAGAAGAACTCCAGTTCTCTCCCGTCCAGTGTGATTATGCAGCTCCGGGCCCGGAACTGAGCTCTG
 GAGCCCTGTATGGCAGAAGGCCAGAAGCACATTCCTCAATTCACCGGTTTCAGTTAGTCATTTGAA
 AGCACCAGTGGGGATCTTTGGATAAACATTCTGAACCTTTTCTAACAAACAATTGCCATTCCTCTCT
 CGCACTTTAAAAACAGAAAGCAAAATCTTTCCTGTACAGTATCGCTATTATACACCTGCCAAAAGAAAA
 AGGATTTTACAGATCAACGGATAGAAGCTGAAACCCAGACTGAATTAAGCTTTAAATCTGAGTTGGGGAC
 AGCTGAGACTAAAAACATGACAGATTCAGAAATGAACATAAAGCAGGCATCTAATTGTGTGACATATGAT
 GCCAAAGAAAAATAGCTCCTTTACCTTTAGAAGGGCATGACTCAACATGGGATGAGATTAAGGATGATG
 CTCTTCAGCATTCCTACCAAGGGCAATGTGTGAGTATTCCTGAAGCCCCCTTCAACTCGTAAAATCTA
 CTCTGATGAAGAAGAACTGTTGTATCTGAGTTTCATTGAAGATGTAACAGATGAAATTTTGAACTTGGT
 TTATTTTCAACAGGTTTTTGAACGACTGTTGAGCGACATATAAAACAAAATAACATTTGGAGGAGG
 AAAAAATGCGCCACCTGCTGCATGTCTGAAAGTAGACTTAGGCTGCACATCGGAGGAAACTCGGTAA
 GCAAAATGATGTTGATATGTTGAATGTATTTGATTTTGAAAAGGCTGGGAATTCAGAACCAAATGAATTA
 AAAAAATGAAAGTGAAGTAACAATTCAGCAGGAACGTCAACAATACCAAAAGGCTTTGGATATGTTATTGT
 CGGCACCAAGGATGAGAACGAGATATTCCTTCACCAACTGAATTTTTCATGCCTATTTATAAATCAAA
 GCATTGAGAAGGGTTATAATTCAACAGGTGAATGATGAAACAAATCTTGAACTTCAACTTTGGATGAA
 AATCATCAAGTATTTGAGAGTTTAACAGATCGGAAACTTCTGTGAATGTCATTGAAGGTGATAGTG
 ACCCTGAAAAGGTTGAGATTTCAATGGATTATGTGGTCTTAACACATCACCTCCCAATCTGTTGAGTT
 CTCCAGTGTCAAAGGCGACAATAATCATGACATGGAGTTATCAACTCTTAAATCATGGAATGAGCATT
 GAGGACTGCCCTTTGGATGTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC210350 protein sequence
 Red=Cloning site Green=Tags(s)

MDGSRVRATSVLPYGPPLFKGHLSTKSNAAVDCSVPVSVSTSIKYADQQRREKLKELAQCEKEFKL
 TKTAMRANYKNNSKSLFNTLQKPSGEPQIEDDMLKEEMNGFSSFARSLVPSSERLHLHLKSSKVIITNGP
 EKNSSSSPSSVDYAASGPRKLSSGALYRRRPRSTFPNSHRFQLVISKAPSGDLLDKHSELF SNKQLPFTF
 RTLKTEAKSFLSQYRYTPAKRKKDFTDQRIEATQTELSFKSELGTAETKNMTDSEMNKQASNCVTD
 AKEKIAPLPLEGHDSTWDEIKDDALQHSSPRAMQYSLKPPSTRKIYSDEEELLYLFIEDVTDEILKLG
 LFSNRFLERL FERHIKQNKHLEEEKMRHLLHVLKVDLGCTSEENSVKQNDVMDLNVDFEKGAGNPNEL
 KNESEVTIQERQYQKALDMLLSAPKDENEIFPSPTFFMPIYKSKHSEGVIIQQVNDENLETSTLDE
 NHPSISDSLTDRETSVNVIEGSDPEKVEISNGLCGLNTSPSQSVQFSSVKGDNNHDMELSTLKIMEMSI
 EDCPLDV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:	NM_001040428
ORF Size:	1701 bp
Buffer:	PBS with 0.001% Pluronic F6576
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_001040428.1, NP_001035518.1</u>
RefSeq Size:	1935 bp
RefSeq ORF:	1704 bp
Locus ID:	55812
UniProt ID:	<u>Q9P0W8</u>
Cytogenetics:	14q31.3
MW:	64.2 kDa