

## Product datasheet for **RR216532A1V**

### Rat Sphk1 (NM\_001270809) AAV Particle

#### Product data:

|                           |                                                                                |
|---------------------------|--------------------------------------------------------------------------------|
| Product Type:             | AAV Particles                                                                  |
| Product Name:             | Rat Sphk1 (NM_001270809) AAV Particle                                          |
| Tag:                      | Myc-DDK                                                                        |
| Symbol:                   | Sphk1                                                                          |
| Mammalian Cell Selection: | None                                                                           |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                                                     |
| ORF Nucleotide Sequence:  | >RR216532 representing NM_001270809<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCAACCAGCAGACTGTCCCCGGGACTGCTCCACGGCCATGCAGAGTGTGGTGCTGCTGAACCCCC  
GGGGTGGCAAGGGCAAGGCTCTGAAGCTCTTTCAGAGCCGTGTGCGGCCCTTCTGGAGGAGGCTGAGGT  
ATCCTTTAACTGATGCTCACCAGACGGCAGAACCATGCCAGGGAGCTGGTGTGTGCAGAAGAACTGGGT  
CACTGGGATGCCTTGGCGGTCTGTCCGGTGACGGTCTGATGCACGAGGTGGTGAATGGGCTAATGGAAC  
GACCTGACTGGGAGAGTGCCATCCAGAAACCCCTATGTAGCCTCCCTGGAGGCTCTGGCAATGCGCTGGC  
AGCTTCTTTGAACTACTATGCTGGGCACGAGCAGGTCACTAATGAAGATCTCCTGATCAACTGCACACTG  
CTGTTATGCTGCCGGCAGCTGTACCCATGAATCTGCTGTCCCTGCACACCGCTTCCGGACGGCAACTCT  
ATTCTGTTCTCAGTCTGTCTGGGGTTTCGTTGCTGACGTGGACTTGGAGAGTGAGAAATACAGGAGCTT  
GGGGGAGATTCTGTTTACGGTGGAACCTTTTTTCGCCTAGCAAGCCTGCGCATTTACCAAGGCCAACTG  
GCCTACCTTCTGTAGGGAAGGCTGCCTCTAAGATACCTGCTTCTCACTGGCACAGAAGGGCCCTGCCA  
ACACATACCTCGTTCCTCTGGAGGAGCCAGTGCCACCTCATTGGACTGTGGTGCCAGAGCAGGACTTCGT  
TCTGGTGCTGGTGCTGCTTACACCCACCTGAGCACAGAGATGTTTGCAGCACCATGGGCCGCTGCGAG  
GCTGGTGTTATGCATCTGTTCTATATACGTGCGGGGGTGTCAAGGGCCATGCTGCTGCGCCTCTTCTCTGG  
CCATGCGAAGGGCAAGCATATGGACCTCGACTGCCCGTACTTGGTTCATGTGCCAGTGTTGCTTCCG  
CCTGGAACCCAGGAACCAGAGGGGAGTGTCTTCTGTGGACGGGAGCTGATGGTGTGTGAAGCTGTGCAG  
GGCCAAGTGACCCAACTACCTTTGGATGGTCTCTGGTAGCAGTGACTCCCGTCCGGCCGGGACTCCC  
AGCGGAGGCCACCTCCAGAAGAACAATA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Sequence:</b> | <p>&gt;RR216532 representing NM_001270809</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MQPADCPRGLLPRPCRVLVLLNPRGGKGKALKLFQSRVRPLLEAEVSFKLMLTERQNHARELVCAEELG<br/> HWDALAVMSGDGLMHEVVNGLMERPDWESAIQKPLCSLPGGSGNALAASLNYYAGHEQVTNEDLLINCTL<br/> LLCCRQLSPMNLSSLHTASGRQLYSVLSLWGFVADVLESEKYRSLGEIRFTVGTFFRLASLRIYQGQL<br/> AYLPVGKAASKIPASSLAQKGPANTYLVPLEEPVPPHWTVVPEQDFVLVLVLLHHLSTEMFAAPMGRCE<br/> AGVMHLFYIRAGVSRAMLLRLFLAMQKGKHMDDLCPYLHVHPVVAFRLEPRNQGVFSDGELMVCEAVQ<br/> GQVHPNYLWMVSGSSDSPSGRDSQRRPPPEEI</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| <b>Species:</b>          | Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ACCN:</b>             | NM_001270809                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>ORF Size:</b>         | 1149 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Buffer:</b>           | PBS with 0.001% Pluronic F68                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Stability:</b>        | 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.                                                                              |
| <b>RefSeq:</b>           | <u>NM_001270809.1, NP_001257738.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>RefSeq Size:</b>      | 1879 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>RefSeq ORF:</b>       | 1152 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Locus ID:</b>         | 170897                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID:</b>       | <u>Q91V26</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Cytogenetics:</b>     | 10q32.1-q32.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>MW:</b>               | 42.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |