

## Product datasheet for **RC219895A1V**

### Human RSK1 p90 (RPS6KA1) (NM\_001006665) AAV Particle

#### Product data:

|                           |                                                      |
|---------------------------|------------------------------------------------------|
| Product Type:             | AAV Particles                                        |
| Product Name:             | Human RSK1 p90 (RPS6KA1) (NM_001006665) AAV Particle |
| Tag:                      | Myc-DDK                                              |
| Symbol:                   | RPS6KA1                                              |
| Synonyms:                 | HU-1; MAPKAPK1; MAPKAPK1A; p90Rsk; RSK; RSK1         |
| Mammalian Cell Selection: | None                                                 |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                           |



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**ORF Nucleotide  
Sequence:**

>RC219895 representing NM\_001006665  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGCAGGATCCCAAGCCGCCCGTCTGCGGCTCTGGGCCCTGATCCCCTGGCTTCCAGGAAGCAGC  
 GGCCCAGGATCAGCCAGACCTCTCTGCCTGTCCCTGGCCCTGGCTCTGGCCCCAGCGGGACTCGGATGA  
 GGGCGTCTCAAGGAGATCTCCATCACGCACCACGTCAAGGCTGGCTCTGAGAAGGCTGATCCATCCCAT  
 TTCGAGCTCTCAAGGTTCTGGGCCAGGGATCCTTTGGCAAAGTCTTCTGGTGCAGAAAGTACCCGGC  
 CTGACAGTGGGACCTGTATGCTATGAAGGTGCTGAAGAAGGCAACGCTGAAAGTACGTACCGCGTCCG  
 GACCAAGATGGAGAGAGACATCTGGCTGATGTAAATCACCCATTCTGGTGAAGCTGCACTATGCCTTC  
 CAGACCGAGGGCAAGCTCTATCTATTCTGGACTTCTGCGTGGTGGGACCTCTTACCCGGCTCTCAA  
 AAGAGGTGATGTTACGGAGGAGGATGTGAAGTTTACCTGGCCGAGCTGGCTCTGGGCCTGGATCACCT  
 GCACAGCTGGGTATCATTTACAGAGACCTCAAGCCTGAGAATCCTTCTGGATGAGGAGGGCCACATC  
 AAACCTCACTGACTTTGGCCTGAGCAAAGAGGCCATTGACCACGAGAAGAAGGCCATTCTTTCTGCGGGA  
 CAGTGGAGTACATGGCCCTGAGGTCTGCAACCGCCAGGGCACTCCCATAGTGCAGGACTGGTGGTCCTA  
 TGGGGTGTGATGTTTGAGATGCTGACGGGCTCCCTGCCCTTCCAGGGGAAGGACCGGAAGGAGACCATG  
 ACACCTGATTCTGAAGCGAAGCTAGGCATGCCCGATTTCTGAGCACTGAAGCCAGAGCCTCTTGCAGG  
 CCCTGTTCAAGCGAATCCTGCCAACCGGCTCGGCTCCGGCCCTGATGGGGCAGAGGAAATCAAGCGGCA  
 TGTCTTCTACTCCACCATGACTGGAATAAGCTATACCGTCTGAGATCAAGCCACCTTCAAGCCAGCA  
 GTGGCTCAGCCTGATGACACCTTCTACTTTGACACCGAGTTCAGTCCCGCACACCCAAGGATTTCCAG  
 GCATCCCCCCCCAGCGCTGGGGCCCATCAGCTGTTCCGGGGCTTCACTTCGTGGCCACCGGCTGATGGA  
 AGACGAGGGCAAGCCTCTGTGCCCGCAGGCACCCCTGCACTCGGTGGTACAGCAACTCCATGGGAAGAAC  
 CTGGTTTTTGTGACGGCTACGTGGTAAAGGAGACAATTGGTGTGGGCTCTACTCTGAGTGCAAGCGCT  
 GTGTCCACAAGGCCACCAACATGGAGTATGCTGTCAAGGTCATTGATAAGAGCAAGCGGGATCCTTCAGA  
 AGAGATTGAGATTCTTCTGCGGTATGGCCAGCACCCCAACATCATCACTCTGAAAGATGTGTATGATGAT  
 GGCAACACGTGTACCTGGTGACAGAGCTGATGCGGGGTGGGAGCTGCTGGACAAGATCCTGCGGCAGA  
 AGTTCTTCTCAGAGCGGGAGGCCAGCTTTGTCTGCACACCATTTGGCAAACTGTGGAGTATCTGCACTC  
 ACAGGGGGTGTGCACAGGGACCTGAAGCCCAGCAACATCCTGTATGTGGACGAGTCCGGGAATCCCGAG  
 TGCTTGCATCTGTGACTTTGGTTTTGCCAAACAGCTGCGGGCTGAGAATGGGCTCCTCATGACACCTT  
 GCTACACAGCCAACTTTGTGGCGCTGAGGTGCTGAAGCGCCAGGGCTACGATGAAGGCTGCGACATCTG  
 GAGCCTGGGCATTCTGTGTACACCATGCTGGCAGGATATACTCCATTTGCCAACGGTCCAGTGACACA  
 CCAGAGGAAATCCTAACCCGGATCGGCAGTGGGAAGTTTACCCTCAGTGGGGGAAATTGGAACACAGTTT  
 CAGAGACAGCCAAGGACCTGGTGTCCAAGATGTACACGTGGATCCCCACCAGCGCTCACAGCTAAGCA  
 GGTTCTGCAGCATCCATGGGTCAACAGAAAGACAAGCTTCCCCAAAGCCAGCTGTCCCACCAGGACCTA  
 CAGCTTGTGAAGGGAGCCATGGCTGCCACGTACTCCGCACTCAACAGCTCCAAGCCACCCCCAGCTGA  
 AGCCATCGAGTCATCCATCTGGCCAGCGGGGAGTGAGGAAGTTGCCATCCACCACCTG

**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Sequence:</b> | <p>&gt;RC219895 representing NM_001006665</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MEQDPKPPRLRLWALIPWLPRKQRPRISQTSPLVPGSGPQRDSDEGLKEISITHHVKAGSEKADPSH<br/> FELLKVLGGSGFKVFLVRKVTRPDGHLAYAMKVLKKATLKVRDRVRTKMERDILADVNHPFVVKLHYAF<br/> QTEGKLYLILDFLRGGDLFTRLSKEVMFTEEDVKFYLAELALGLDHLHSLGIIYRDLKPENILLDEEGHI<br/> KLTDGFLSKEAIDHEKKAYSFCGTVEYMAPEVVNRQGHSHSADWWSYGVLMFEMLTGSLPFQGKDRKETM<br/> TLILKAKLGMPQFLSTEAQSLLRALFKRNPANRLGSGPDGAEEIKRHVFYSTIDWNKLYRREIKPPFKPA<br/> VAQPDDTFYFDTEFTSRTPKDSPGIPPSAGAHQLFRGFSFVATGLMEDDGKPRAPQAPLHSHVQQQLHGKN<br/> LVFSDGYVVKETIGVGSYSECKRCVHKATNMEYAVKVIDKSKRDPSEEIEILLRYGQHPNIIITLKDYYDD<br/> GKHVYLVTLMRGGELLDKILRQKFFSEREASFVLHTIGKTVEYLHSQGVVHRDLKPSNILYVDESGNPE<br/> CLRICDFGFAKQLRAENGLLMTPCYTANFVAPEVLKRQGYDEGCDIWSLGILLYTMLAGYTTPFANGPSDT<br/> PEEILTRIGSGKFTLSGGNWNTVSETAKDLVSKMLHVDPHQRLTAKQVLQHPWVTQDKLPQSQLSHQDL<br/> QLVKGAMAATYSALNSSKPTQLKPIESSILAQRVRKLPSTTL</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| <b>Species:</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>ACCN:</b>             | NM_001006665                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ORF Size:</b>         | 2232 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Buffer:</b>           | PBS with 0.001% Pluronic F8067                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <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_001006665.1, NP_001006666.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>RefSeq Size:</b>      | 3112 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>RefSeq ORF:</b>       | 2235 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Locus ID:</b>         | 6195                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>UniProt ID:</b>       | <u>Q15418</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Cytogenetics:</b>     | 1p36.11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>MW:</b>               | 83.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |