

## Product datasheet for **RC207474A1V**

### Human ACTL7B (NM\_006686) AAV Particle

#### Product data:

Product Type: AAV Particles  
Product Name: Human ACTL7B (NM\_006686) AAV Particle  
Tag: Myc-DDK  
Symbol: ACTL7B  
Synonyms: Tact1  
Mammalian Cell Selection: None  
Vector: pAAV-AC-Myc-DDK (PS100089)  
ORF Nucleotide Sequence: >RC207474 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCGACAAGGAACAGCCCCATGCCCTGGGCACGGCTCAGGGTGACCCTGGAGAGGCAGGAACACGGC  
CCGGCCCTGACGCCAGCCTCCGGGACACAGGTGCGGCCACTCAGCTCAAGATGAAGCCCAGGAAGGTGCA  
CAAGATCAAGGCGGTATCATCGACCTGGGCTCCCACTGCAAGTGCGGCTACGCGGGAGAGCCGAGG  
CCCACCTACTTCATCTCTCCACCGTGGGCAACGCTGCCCGAGGCGGCCGACGCTGGCGACACCCGCA  
AGTGGACTTTAGTGGGCCATGAGCTGCTCAACACGGAGGCGCCTCTCAAGCTGGTGAACCCGCTGAAGCA  
CGGCATCGTGGTGGACTGGGACTGCGTGACGACATCTGGGAGTACATCTTCCGACCCGATGAAGATC  
CTCCCCGAGGAGCAGCTGTGCTGGTCTCCGACCTCCGCTCAGCCCCAGCAGCAACCGGAGAAAGTACG  
CGGAGCTCATGTTTGAGACCTTCGGCATCCCAGCCATGCACGTGACGTCCAGTCGTTGCTGTCCATCTA  
CTCCTACGGCAAGACCTCGGGGCTGGTGGTGGAGAGCGGGCACGGCGTCTCGACGTGGTGCCCATATCC  
GAGGGCGACGTGCTGCCGGGCTGACCAGCCGCGCCGACTACGCTGGGGTGACCTACCAACTACCTGA  
TGCAGCTGCTCAATGAGGCGGGCCACGATTACGGACGACCACCTGCACATCATAGAGCACATCAAGAA  
GAAGTGTCTATGCGGCCTTCTGCCGAGGAGGAGCTGGGCCTGGTCCCGAGGAGCTGCGCGTGGAC  
TACGAGCTCCCGACGGCAAACTCATCACCATTGGCCAGGAGCGCTTCCGTTGCTCTGAGATGCTCTTCC  
AGCCCTCCCTGGCAGGCAGCACCCAGCCGGGCCTCCCGGAGCTCACAGCTGCCTGCCTGGGCCGCTGCCA  
GGACACGGGCTTCAAGGAGGAGATGGCCGCAACGTGCTACTGTGTGGCGGCTGCACTATGCTGGATGGC  
TTCCCCGAGCGCTTCCAGAGGGAGCTGAGCCTCCTCTGCCCCGGGGACAGCCCTGCAGTGGCTGCCGCTC  
CTGAGAGGAAGACCTCCGTGTGGACGGCGGTTCCATCCTGGCCTCCCTGCAGGCCTTCCAACAGCTCTG  
GGTCAGCAAGGAAGAGTTTGAGGAGCGGGGCAGCGTGGCCATCTACAGCAAGTGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Sequence:</b> | <p>&gt;RC207474 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MATRNPMPLGTAQGDPEAGTRPGPDASLRDTGAATQLKMKPRKVHKIKAVIIDLGSQYCKGCGYAGEPR<br/> PTTFISSTVGKRCPEAADAGDTRKWTLVGHELLNTEAPLKLVNPLKHGI VVDWDCVQDIWEYIFRTAMKI<br/> LPEEHAVLVSDPPLSPSSNREKYAELMFETFGIPAMHVTSQLLSIYSYGKTSGLVVESGHGVSHVVPIS<br/> EGDVLPGLT SRADYAGGDLTNYLMQLLNEAGHAFTDDHLHIIIEHIKKCCYAAFLPEEELGLVPEELRVD<br/> YELPDGKLITIGQERFRCSEMLFQPSLAGSTQPGLPELTAACLGRCDTGFKEMAANVLLCGGCTMLDG<br/> FPERFQRELSLLCPGDSPAVAAAPERKTSVWTGGGILASLQAFQQLWVSKEEFEERGVSVAIYSKC</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| <b>Species:</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ACCN:</b>             | NM_006686                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>ORF Size:</b>         | 1245 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>           | <a href="#">NM_006686.2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>RefSeq Size:</b>      | 1408 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>RefSeq ORF:</b>       | 1248 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Locus ID:</b>         | 10880                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>UniProt ID:</b>       | <a href="#">Q9Y614</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Cytogenetics:</b>     | 9q31.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>MW:</b>               | 45.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |