

## Product datasheet for RC219897A1V

### Human ZFYVE27 (NM\_001002261) AAV Particle

#### Product data:

|                           |                                                                                |
|---------------------------|--------------------------------------------------------------------------------|
| Product Type:             | AAV Particles                                                                  |
| Product Name:             | Human ZFYVE27 (NM_001002261) AAV Particle                                      |
| Tag:                      | Myc-DDK                                                                        |
| Symbol:                   | ZFYVE27                                                                        |
| Synonyms:                 | PROTRUDIN; SPG33                                                               |
| Mammalian Cell Selection: | None                                                                           |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                                                     |
| ORF Nucleotide Sequence:  | >RC219897 representing NM_001002261<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCAGACATCAGAACGTGAGGGGAGTGGGCCGAGCTGAGCCCCAGCGTGATGCCCCAGGCTCCCCTGG  
AGTCTCCACCTTTTCTACCAAGTCCCCAGCGTTTGACCTTTCAACTTGGTTCTCTCTACAAGAGGCT  
GGAGATCTACCTGGAACCTTGAAGGATGCAGGTGATGGTGTTCGATACTTGCTCAGGTGGCAGATGCCT  
TTGTGTTCTTGTGACCTGCCTGGGCCCAACGTCTTGTCTCACTTTGAATGAGGGTGCATGGTACT  
CAGTAGGTGCCCTGATGATTTCACTGCCCCCTGCTGGGCTACCTTCAGGAGGTTTGGCGGCACGGCT  
GCCTGATTCGAGCTGATGCGGAGGAAGTATCATAGCGTGAGGCAGGAGGACCTGCAGAGAGGTCGCCTG  
TCTCGTCCCGAGGCCGTGGCTGAGGTGAAGAGCTTCTTGATCCAGCTGGAGGCCCTTCTGAGCCGCTGT  
GCTGCACATGTGAAGCCGCTACCGCTGCTGCACTGGGAGAACCCGCTCGTGTCTCACAGTTCTATGG  
GGCTCTTCTGGGCACAGTCTGCATGCTGATTTGCTGCCACTCTGCTGGGTTCTCACCTTTTAAACAGC  
ACGCTCTTCTGGGAATGTGGAGTTCTCCGAGTTGTGTCTGAGTACAGGGCATCTCTGCAGCAGAGGA  
TGAACCCAAAGCAGGAAGAGCATGCCTTTGAGAGTCTCCACCACCAGATGTTGGGGGAAGGATGGTCT  
GATGGACAGCAGCCTGCCCTCACACCCACGAGAGTCTCTTCCCAGGACCTCACACCGGCACGCTG  
GAGGAGGCTGAGGAGGCTGAGCCAGATGAAGAGTTTAAAGATGCGATTGAGGAGACCACTTGGTGGTGC  
TGGAGGATGATGAGGGCGCCCGTGCCAGCAGAGGATGAGCTGGCCCTGCAGGACAACGGGTTCTGAG  
CAAGAATGAGGTGCTGCGCAGCAAGGTGTCTCGGCTCACGGAGCGGCTCCGAAGCGCTACCCCAAC  
AACTTCGGGAAGTGCACGGGCTGCTCGGCCACCTTCTCAGTGCTGAAGAAGAGGCGGAGCTGCAGTAATT  
GTGGAACAGCTTCTGCTCTCGATGCTGCTCTTCAAGGTGCCAAGTCTCCATGGGGGCCACAGCCCC  
TGAAGCCAGAGGGAGACTGTGTTGTGTGCTCGTGAACAGACCTTGAGCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC219897 representing NM_001002261</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MQTSEREGSGPELSPSVMPEAPLESPPFPKSPAFDLFNLVLSYKRLEIYLEPLKDAGDGVRYLLRWQMP<br/> LCSLLTCLGLNVLFTLNELGAWYSVGALMISVPALLGYLQEVCRARLPDSELMRRKYHSVRQEDLQGRGL<br/> SRPEAVAEVKSFLIQLEAFLSRLCCTCEAAYRVLHWENPVVSSQFYGALLGTVCMYLLPLCWVLTLLNS<br/> TLFLGNVEFFRVVSEYRASLQQRMPKQEEHAFESPPPDVGGKDGMDSTPALTPTESLSSQDLTPGSV<br/> EEAEEAEPDEEFKDAIEETHLVVLEDDGAPCPAEDELALQDNGFLSKNEVLRSKVSRLTERLRKRYPTN<br/> NFGNCTGCSATFSVLKKRRSCSNCGNSFCRCCSFKVPKSSMGATAPEAQRETQVFCASCNQTLTK</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| ACCN:             | NM_001002261                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ORF Size:         | 1248 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Buffer:           | PBS with 0.001% Pluronic F68                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 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:           | <a href="#">NM_001002261.1</a> , <a href="#">NP_001002261.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| RefSeq Size:      | 3045 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| RefSeq ORF:       | 1251 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Locus ID:         | 118813                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| UniProt ID:       | <a href="#">Q5T4F4</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Cytogenetics:     | 10q24.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| MW:               | 46.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |