

## Product datasheet for **RC214871A1V**

### Human Gelsolin (GSN) (NM\_000177) AAV Particle

#### Product data:

|                           |                                               |
|---------------------------|-----------------------------------------------|
| Product Type:             | AAV Particles                                 |
| Product Name:             | Human Gelsolin (GSN) (NM_000177) AAV Particle |
| Tag:                      | Myc-DDK                                       |
| Symbol:                   | GSN                                           |
| Synonyms:                 | ADF; AGEL                                     |
| Mammalian Cell Selection: | None                                          |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                    |



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## ORF Nucleotide Sequence:

>RC214871 representing NM\_000177  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**

ATGGCTCCGACCGCCCCGCGCCGCGCTGCTTTGCGCGCTGTCCCTGGCGCTGTGCGCGCTGTCTGCTGC  
 CCGTCCGCGCGGCCACTGCGTCGCGGGGGCGTCCCAGGCGGGGCGCCCCAGGGCGGGTGCCCGAGGC  
 GCGGCCCAACAGCATGGTGGTGAACACCCGAGTTCTCAAGGCAGGGAAGGAGCTGCGCTGCAGATC  
 TGGCGTGTGGAGAAGTTCGATCTGGTGGCCGTCGCCACCAACCTTTATGGAGACTTCTTACGGGCGACG  
 CCTACGTCATCTGAAGACAGTGCAGCTGAGGAACGGAATCTGCAGTATGACCTCCACTACTGGCTGGG  
 CAATGAGTGCAGCCAGGATGAGAGCGGGGCGCCGCCATCTTTACCGTGCAGCTGGATGACTACCTGAAC  
 GGCCGGGCGGTGCAGCACCGTGAGGTCCAGGGCTTCGAGTCGGCCACCTTCTAGGCTACTTCAAGTCTG  
 GCCTGAAGTACAAGAAAGGAGGTGTGGCATCAGGATTCAAGCACGTGGTACCAACGAGGTGGTGGTGCA  
 GAGACTCTTCCAGGTCAAAGGGCGCGTGTGGTCCGTGCCACCGAGGTACCTGTGTCTGGGAGAGCTTC  
 AACAAATGGCGACTGCTTCATCTGGACCTGGGCAACAACATCCACAGTGGTGTGGTTCCAACAGCAATC  
 GGTATGAAAGACTGAAGGCCACACAGGTGTCCAAGGGCATCCGGGACAACGAGCGGAGTGGCCGGGCCCG  
 AGTGCACGTGTCTGAGGAGGGCACTGAGCCCGAGGCGATGCTCCAGGTGCTGGGCCCCAAGCCGGCTCTG  
 CCTGCAGGTACCGAGGACACCGCAAGGAGGATGCGGCCAACCGCAAGCTGGCCAAGCTCTACAAGGTCT  
 CCAATGGTGCAGGGACCATGTCCGTCTCCCTCGTGGCTGATGAGAACCCTTCGCCCAGGGGGCCCTGAA  
 GTCAGAGGACTGCTTCATCTGGACACGGCAAAGATGGGAAAATCTTTGTCTGGAAAGGCAAGCAGGCA  
 AACACGGAGGAGAGGAAGGCTGCCCTCAAACAGCCTCTGACTTCATCACCAAGATGGAATACCCCAAGC  
 AGACTCAGGTCTCGGTCTTCTGAGGGCGGTGAGACCCCACTGTTCAAGCAGTCTTCAAGAACTGGCG  
 GGACCCAGACCAGACAGATGGCCTGGGCTTGTCTACCTTTCCAGCCATATCGCCAACGTGGAGCGGGTG  
 CCCTTCGACGCGCCACCTGCACACCTCCACTGCCATGGCCGCGCCAGCACGGCATGGATGACGATGGCA  
 CAGGCCAGAAACAGATCTGGAGAATCGAAGGTTCCAACAAGGTGCCCGTGGACCTGCCACATATGGACA  
 GTTCTATGGAGGCGACAGCTACATATTCTGTACAACCTACCGCCATGGTGGCCGCCAGGGGCAGATAATC  
 TATAACTGGCAGGGTGCCAGTCTACCCAGGATGAGGTGCTGCATCTGCCATCCTGACTGCTCAGCTGG  
 ATGAGGAGCTGGGAGGTACCCCTGTCCAGAGCCGTGTGGTCCAAGGCAAGGAGCCCGCCACCTCATGAG  
 CCTGTTTGGTGGGAAGCCCATGATCATCTACAAGGCGGCACCTCCCGGAGGGCGGGCAGACAGCCCT  
 GCCAGCACCCGCCTCTTCCAGGTCCGCGCCAACAGCGCTGGAGCCACCCGGGCTGTTGAGGTATTGCCTA  
 AGGCTGGTGCAGTGAACCTCAACGATGCCTTTGTTCTGAAAACCCCTCAGCCGCTACCTGTGGGTGGG  
 TACAGGAGCCAGCGAGGAGAGAGAAGACGGGGGCCAGGAGCTGCTCAGGGTGTGCGGGGCCAACCTGTG  
 CAGGTGGCAGAAAGCAGCGAGCCAGATGGCTTCTGGGAGGCCCTGGGCGGGAAGGCTGCCTACCGCACAT  
 CCCCACGGCTGAAGGACAAGAAGATGGATGCCATCCTCCTCGCTCTTTGCCTGCTCCAACAAGATTGG  
 ACGTTTTGTGATCGAAGAGGTTCTGGTGAGCTCATGCAGGAAGACCTGGCAACGGATGACGTATGCTT  
 CTGGACACCTGGGACAGGTCTTTGTCTGGGTGGAAAGGATTCTCAAGAAGAAGAAAAGACAGAAGCCT  
 TGACTTCTGCTAAGCGGTACATCGAGACGGACCCAGCCAATCGGGATCGGCGGACGCCCATCACCGTGGT  
 GAAGCAAGGCTTTGAGCCTCCCTCTTTGTGGGCTGGTTCCTTGGCTGGGATGATGATTACTGGTCTGTG  
 GACCCCTTGGACAGGGCCATGGCTGAGCTGGCTGCC

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC214871 representing NM_000177</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MAPHRPAPALLCALSLALCALSLPVRAATASRGASQAGAPQGRVPEARPNMSMVVEHPEFLKAGKEPGLQI<br/> WRVEKFDLVPVPTNL YGDDFTGDAYVILKTVQLRNGNLQYDLHYWLGNECSQDESGAAAIFTVQLDDYLN<br/> GRAVQHREVGQGFESATFLGYFKSGLKYKKGVASGFKHVVPNEVVVQRLFQVKGRRVVRATEVPVSWESF<br/> NNGDCFILDLGNNIHQWCGSNSNRYERLKATQVSKGIRDNERSGRARVHVSEEGTEPEAMLQVLGPKPAL<br/> PAGTEDTAKEDAANRKLAKLYKVSNGAGTMSVSLVADENPFAQGALKSEDCFILDHGKDGKIFVWKGKQA<br/> NTEERKAALKTASDFITKMDYPKQTQVSVLPEGGETPLFKQFFKNWRDPDQTDGLGLSYLSSHIANVERV<br/> PFDAATLHTSTAMAAQHGMDDGTGQKQIWRIEGSNKVPVDPATYQGQFYGGDSYIILYNYRHGGRQGQII<br/> YNWQGAQSTQDEVAASAILTAQLDEELGGTPVQSRVVQGKEPAHLMSLFGGKPMIYKGGTSREGGQTAP<br/> ASTRLFQVRANSAGATRAVELPKAGALNSNDAFVLKTPSAAYLWVG TGASEAEKTGAQELLRLVLAQPV<br/> QVAEGSEPDGFWALGGKAAVRTSPRLKDKKMDAHPRLFACSNKIGRFVIEEVPGELMQEDLATDDVML<br/> LDTWDQVFVWVGKDSQEEKTEALTSKRYIETDPANRDRRTPITVVKQGFEPSPFVGWFLGWDDDYWSV<br/> DPLDRAMAELAA</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| ACCN:             | NM_000177                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| ORF Size:         | 2346 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Buffer:           | PBS with 0.001% Pluronic F7283                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 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_000177.3</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RefSeq Size:      | 2705 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| RefSeq ORF:       | 2349 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Locus ID:         | 2934                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| UniProt ID:       | <a href="#">P06396</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Cytogenetics:     | 9q33.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| MW:               | 85.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |