

## Gelsolin Recombinant Protein | GSN recombinant protein

Recombinant Human Gelsolin

|                              |                                                                 |
|------------------------------|-----------------------------------------------------------------|
| CATALOG #<br><b>AAA18517</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
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### PRODUCT SYNONYMS

Gelsolin; Recombinant Human Gelsolin; AGEL; Actin-depolymerizing factor; ADF; Brevin; GSN recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Sequence Positions      | 28-782aa; Full Length of Mature Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Sequence                | ATASRGASQA GAPQGRVPEA RPNSMVVEHP EFLKAGKEPG LQIWRVEKFD LVPVPTNLYG DFFTGDAYVI<br>LKTVQLRNGN LQYDLHYWLG NECSQDESGA AAIFTVQLDD YLNGRAVQHR EVQGFESATF LGYFKSGLKY<br>KKGGVASGFK HVPNEVTVQ RLFQVKGRRV VRATEVPVSW ESFNNGDCFI LDLGNNIHQW CGSNSNRYER<br>LKATQVSKGI RDNERSGRAR VHVSEEGTEP EAMLQVLGPK PALPAGTEDT AKEDAANRKL AKLYKVSNGA<br>GTMSVSLVAD ENPFAQGALK SEDCFILDHG KDGIKIFVWKG KQANTEERKA ALKTASDFIT KMDYPKQTQV<br>SVLPEGGETP LFKQFFKNWR DPDQTDGLGL SYLSSHIANV ERVPFDAATL HTSTAMAAQH GMDDDG TGQK<br>QIWRIEGSNK VPVDPATYGG FYGGDSYIIL YNYRHGGRQG QIIYNWQGAQ STQDEVAASA ILTAQLDEEL<br>GGTPVQSRVV QGKEPAHLMS LFGGKPMIY KGGTSREGGQ TAPASTRLFQ VRANSAGATR AVEVLPKAGA<br>LNSNDAFVLK TPSAAYLWVG TGASEAEKTG AQELLRLRA QPVQVAEGSE PDGFWEALGG KAAVRTSPRL<br>KDKKMDAHP RLFACSNKIG RFVIEEVPGE LMQEDLATDD VMLLDTDWQV FVWVGKDSQE EEKTEAL TSA<br>KRYIETDPAN RDRRTPTIVV KQGFEPSPFV GWFLGWDDDY WSVDP LDRAM AELAA |
| Preparation and Storage | Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

### IMAGES



SDS-PAGE

### ADDITIONAL INFORMATION

|                                                         |                                                                                                                                                                                                                                                                                                                         |
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| Related Product Information for GSN recombinant protein | Calcium-regulated, actin-modulating protein that binds to the plus (or barbed) ends of actin monomers or filaments, preventing monomer exchange (end-blocking or capping). It can promote the assembly of monomers into filaments (nucleation) as well as sever filaments already formed. Plays a role in ciliogenesis. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                        |
|----------------------------------|------------------------------------------------------------------------|
| NCBI GI #                        | 4504165                                                                |
| NCBI GeneID                      | 2934                                                                   |
| NCBI Accession #                 | NP_000168.1                                                            |
| NCBI GenBank Nucleotide #        | NM_000177.4                                                            |
| UniProt Accession #              | P06396; Q5T0I2; Q8WVV7; A2A418; A8MUD1; A8MYN7; B7Z373; B7Z5V1; F5H1A8 |
| Molecular Weight                 | 87kD                                                                   |
| NCBI Official Full Name          | gelsolin isoform a                                                     |
| NCBI Official Synonym Full Names | gelsolin                                                               |
| NCBI Official Symbol             | GSN                                                                    |
| NCBI Official Synonym Symbols    | ADF; AGEL                                                              |
| NCBI Protein Information         | gelsolin                                                               |
| UniProt Protein Name             | Gelsolin                                                               |
| UniProt Gene Name                | <b>GSN</b>                                                             |
| UniProt Synonym Gene Names       | ADF                                                                    |
| UniProt Entry Name               | GELS_HUMAN                                                             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/gsn-recombinant-protein-e-coli/18517>