

Product datasheet for **SC323190**

Gelsolin (GSN) (NM_001127666) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Gelsolin (GSN) (NM_001127666) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Gelsolin |
| Synonyms: | ADF; AGEL |
| Vector: | <u>pCMV6 series</u> |



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001127666, the custom clone sequence may differ by one or more nucleotides

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ATGGA AAAA ACTG TTTT GTT GCT TTTCCCAACAGCATGGTGGTGGAAACACCCCGAGTTCCTC
AAGGCAGGGAAGGAGCCTGGCCTGCAGATCTGGCGTGTGGAGAAGTTCGATCTGGTGCC
GTGCCACCAACCTTTATGGAGACTTCTCACGGGCGACGCCTACGTCATCCTGAAGACA
GTGCAGCTGAGGAACGAAATCTGCAGTATGACCTCCACTACTGGCTGGGCAATGAGTGC
AGCCAGGATGAGAGCGGGCGGCCCATCTTTACCGTGCAGCTGGATGACTACCTGAAC
GGCCGGCCGTGCAGCACCGTGAGGTCCAGGGCTTCGAGTCGGCCACCTTCTAGGCTAC
TTCAAGTCTGGCCTGAAGTACAAGAAAGGAGGTGTGGCATCAGGATTC AAGCACGTGGTA
CCCAACGAGGTGGTGGTGCAGAGACTCTTCCAGGTCAAAGGGCGCGTGTGGTCCGTGCC
ACCGAGGTACCTGTGCTCGGGAGACTTCAACAATGGCGACTGCTTCATCCTGGACCTG
GGCAACAACATCCACCAGTGGTGTGGTTCCAACAGCAATCGGTATGAAAGACTGAAGGCC
ACACAGGTGTCCAAGGCATCCGGGACAACGAGCGGAGTGGCCGGGCCGAGTGCACGTG
TCTGAGGAGGGCACTGAGCCGAGGCGATGCTCCAGGTGCTGGGCCCAAGCCGGCTCTG
CCTGCAGGTACCGAGGACACCGCAAGGAGGATGCGGCCAACC GCAAGCTGGCCAAGCTC
TACAAGTCTCCAATGGTGCAGGACCATGTCCGTCTCCCTCGTGGCTGATGAGAACCC
TTCGCCAGGGGGCCCTGAAGTCAGAGGACTGTTTCATCCTGGACCACGGCAAAGATGGG
AAAATCTTTGTCTGAAAAGGCAAGCAGGCAAACACGGAGGAGAGGAAGGCTGCCCTCAA
ACAGCCTCTGACTTCATACCAAGATGGACTACCCCAAGCAGACTCAGGTCTCGTCCCT
CCTGAGGGCGGTGAGACCCACTGTTCAAGCAGTCTTCAAGAACTGGCGGGACCCAGAC
CAGACAGATGGCTGGGCTTGTCTACCTTTCCAGCCATATCGCCAACGTGGAGCGGGTG
CCCTTCGACGCCGCCACCCTGCACACTCCACTGCCATGGCCGCCAGCAGGCATGGAT
GACGATGGCACAGGCCAGAAACAGATCTGGAGAATCGAAGGTTCCAACAAGGTGCCCGTG
GACCTGCCACATATGGACAGTTCTATGGAGGCGACAGCTACATATTCTGTACAACACTAC
CGCCATGGTGGCCGCCAGGGGCAGATAATCTATAACTGGCAGGGTGCCCACTACCCAG
GATGAGGTGCTGCATCTGCCATCTGACTGCTCAGCTGGATGAGGAGCTGGGAGGTACC
CCTGTCCAGAGCCGTGTGGTCCAAGGCAAGGAGCCGCCACCTCATGAGCCTGTTTGGT
GGGAAGCCATGATCATCTACAAGGGCGGCACCTCCCGCAGGGCGGGCAGACAGCCCT
GCCAGCACCCGCCTTCCAGGTCCGCGCCAACAGCGCTGGAGCCACCCGGGCTGTTGAG
GTATTGCCTAAGGCTGGTGCAGTGAACCTCAACGATGCC TTTGTTCTGAAAACCCCTCA
GCCGCCTACCTGTGGGTGGTACAGGAGCCAGCGAGGCAGAGAAGACGGGGGCCAGGAG
CTGCTCAGGGTGTGCGGGCCCAACCTGTGCAGGTGGCAGAAGGCAGCGACCCAGATGGC
TTCTGGGAGGCCCTGGGCGGGAAGGCTGCCTACCGCACATCCCCACGGCTGAAGGACAAG
AAGATGGATGCCATCCTCCTCGCTCTTTGCCTGCTCCAACAAGATTGGACGTTTTGTG
ATCGAAGAGGTTCTGGTGGTGCATGCAGGAAGACCTGGCAACGGATGACGTCATGCTT
CTGGACACCTGGGACCAGGTCTTTGTCTGGGTTGGAAAGGATTCTCAAGAAGAAGAAAAG
ACAGAAGCCTTGACTTCTGCTAAGCGGTACATCGAGACGGACCCAGCCAAATCGGGATCGG
CGGACGCCCATACCGTGGTGAAGCAAGGCTTTGAGCCTCCCTCTTTGTGGGCTGGTTC
CTTGGCTGGGATGATGATTACTGGTCTGTGGACCCCTTGACAGGGCCATGGCTGAGCTG
GCTGCC
    
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Restriction Sites: Please inquire

ACCN: NM_001127666

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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| OTI Annotation: | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA. |
| Components: | The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water). |
| Reconstitution Method: | <ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C. |
| RefSeq: | <u>NM_001127666.1</u> , <u>NP_001121138.1</u> |
| RefSeq Size: | 2756 bp |
| RefSeq ORF: | 2229 bp |
| Locus ID: | 2934 |
| UniProt ID: | <u>P06396</u> |
| Cytogenetics: | 9q33.2 |
| Protein Families: | Druggable Genome, Secreted Protein |
| Protein Pathways: | Fc gamma R-mediated phagocytosis, Regulation of actin cytoskeleton |
| Gene Summary: | <p>The protein encoded by this gene binds to the "plus" ends of actin monomers and filaments to prevent monomer exchange. The encoded calcium-regulated protein functions in both assembly and disassembly of actin filaments. Defects in this gene are a cause of familial amyloidosis Finnish type (FAF). Multiple transcript variants encoding several different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (7) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (c) has a shorter and distinct N-terminus compared to isoform a. Variants 7, 8, 21-33, and 35 all encode isoform c.</p> |