

Product datasheet for **RC226118**

Gelsolin (GSN) (NM_001127663) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gelsolin (GSN) (NM_001127663) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gelsolin
Synonyms:	ADF; AGEL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC226118 representing NM_001127663
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATACAGGACTTACGCGTCTGCTGTGGCCAGCTGGCTTCCAGATGGTGACATGAGCCACCCACAGC
 CGGAGCTGTTCCCTTTCCCAAAGCTCAGCCAAACAGCATGGTGGTGGAAACACCCCGAGTTCCTCAAGGC
 AGGGAAGGAGCCTGGCCTGCAGATCTGGCGTGTGGAGAAGTTCGATCTGGTGCCCGTGCCACCAACCTT
 TATGGAGACTTCTTACGGGCGACGCTACGTATCCTGAAGACAGTGCAGCTGAGGAACGGAAATCTGC
 AGTATGACCTCCACTACTGGCTGGGCAATGAGTGCAGCCAGGATGAGAGCGGGCGGCCCATCTTTAC
 CGTGCAGCTGGATGACTACCTGAACGGCCGGCCGTGCAGCACCGTGAGGTCCAGGGCTTCGAGTCGGCC
 ACCTTCTAGGCTACTCAAGTCTGGCCTGAAGTACAAGAAAGGAGGTGTGGCATCAGGATCAAGCAGC
 TGGTACCAACGAGGTGGTGGTGCAGAGACTCTCCAGGTCAAAGGGCGGCGTGTGGTCCGTGCCACCGA
 GGTACCTGTGTCTGGGAGACTTCAACAATGGCGACTGCTTCATCCTGGACCTGGGCAACAACATCCAC
 CAGTGGTGTGGTTCCAACAGCAATCGGTATGAAAGACTGAAGGCCACACAGGTGTCCAAGGGCATCCGGG
 ACAACGAGCGGAGTGGCCGGGCCCGAGTGCACGTGTCTGAGGAGGGCACTGAGCCGAGGCGATGCTCCA
 GGTGCTGGGCCCAAGCCGGCTCTGCCTGCAGGTACCGAGGACACCGCCAAGGAGGATGCGGCCAACCGC
 AAGCTGGCCAAGCTCTACAAGTCTCCAATGGTGCAGGGACCATGTCCGTCTCCCTCGTGGCTGATGAGA
 ACCCCTTCGCCAGGGGGCCCTGAAGTCAGAGGACTGCTTCATCCTGGACCACGGCAAAGATGGGAAAT
 CTTTGTCTGAAAAGGCAAGCAGGCAACACGGAGGAGAGGAAGGCTGCCCTCAAACAGCCTCTGACTTC
 ATCACAAGATGGACTACCCAAGCAGACTCAGGTCTCGGTCTTCTGAGGGCGGTGAGACCCCACTGT
 TCAAGCAGTTCTTCAAGAACTGGCGGGACCCAGACCAGACAGATGGCCTGGCTTGTCTACCTTTCCAG
 CCATATCGCCAACGTGGAGCGGGTGCCTTCGACGCGCCACCTGCACACCTCACTGCCATGGCCGCC
 CAGCACGGCATGGATGACGATGGCACAGGCCAGAAACAGATCTGGAGAATCGAAGTTCCAACAAGGTGC
 CCGTGGACCCTGCCACATATGGACAGTTCTATGGAGGCGACAGCTACATCATTCTGTACAACCTACCGCCA
 TGGTGGCCGCCAGGGGCAGATAATCTATAACTGGCAGGGTGCCAGTCTACCCAGGATGAGGTGCTGCA
 TCTGCCATCCTGACTGCTCAGCTGGATGAGGAGCTGGGAGGTACCCCTGTCCAGAGCCGTGTGGTCCAAG
 GCAAGGAGCCCGCCACCTCATGAGCCTGTTTGGTGGGAAGCCATGATCATCTACAAGGGCGGCACCTC
 CCGGAGGGCGGGCAGACAGCCCTGCCAGCACCCGCTCTTCCAGTCCGCGCCAACAGCGCTGGAGCC
 ACCCGGCTGTTGAGGTATTGCCTAAGGCTGGTGCAGTGAACCTCAACGATGCCTTTGTTCTGAAAACCC
 CCTCAGCCGCTACCTGTGGGTGGGTACAGGAGCCAGCGAGGCAGAGAAGACGGGGGCCAGGAGCTGCT
 CAGGGTGTGCGGGCCAACTGTGCAGGTGGCAGAAGGCAGCGAGCCAGATGGCTTCTGGGAGGCCCTG
 GGCGGGAAGGCTGCCTACCGCACATCCCAACGGCTGAAGGACAAGAAGATGGATGCCATCCTCCTCGCC
 TCTTTGCTGCTCCAACAAGATTGGACGTTTTGTGATCGAAGAGGTTCTGGTGAAGTCAATGCAGGAAGA
 CCTGGCAACGGATGACGTATGCTTCTGGACACCTGGGACCAGGTCTTTGTCTGGGTGGAAAGGATTCT
 CAAGAAGAAGAAAAGACAGAAGCCTTGACTTCTGCTAAGCGGTACATCGAGACGGACCCAGCCAATCGGG
 ATCGGGGACGCCCATCACCGTGGTGAAGCAAGGCTTTGAGCCTCCCTCTTTGTGGGCTGGTTCTTGG
 CTGGGATGATGATTACTGGTCTGTGGACCCCTTGACAGGGCCATGGCTGAGCTGGCTGCC

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTAA

Reconstitution Method:

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: [NM_001127663.2](#)

RefSeq Size: 2797 bp

RefSeq ORF: 2304 bp

Locus ID: 2934

UniProt ID: [P06396](#)

Cytogenetics: 9q33.2

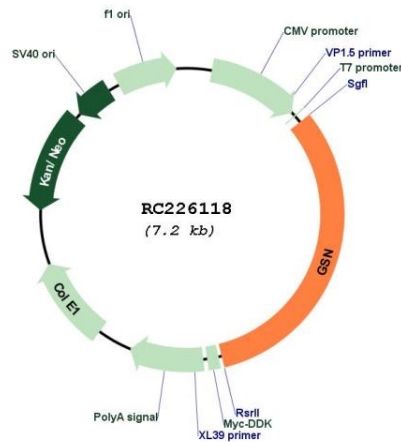
Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Fc gamma R-mediated phagocytosis, Regulation of actin cytoskeleton

MW: 84.7 kDa

Gene Summary: 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]

Product images:



Circular map for RC226118