

## Product datasheet for **TP314871L**

### Gelsolin (GSN) (NM\_000177) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human gelsolin (amyloidosis, Finnish type) (GSN), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC214871 representing NM_000177 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAPHRPAPALLCALSLALCALSLPVRAATASRGASQAGAPQGRVPEARPNSMVVEHPEFLKAGKEPGLQI  
WRVEKFDLVPVPTNLYGDFFTGDAYVILKTVQLRNGNLQYDLHYWLGNECSQDESGAAAIFTVLDDYLN  
GRAVQHREVQGFESATFLGYFKSGLKYKKGGVASGFKHVVPNEVVQRLFQVKGRRVVRATEVPVSWESF  
NNGDCFILDGNNIHQWCGSNSNRYERLKATQVSKGIRDNERSGRARVHVSEEGTEPEAMLQVLGPKPAL  
PAGTEDTAKEDAANRKLAKLYKVSNGAGTMSVSLVADENPFAQGALKSEDCFILDHKGDKGKIFVWKGKQA  
NTEERKAALKTASDFITKMDYPKQTQVSVLPEGGETPLFKQFFKNWRDPDQTDGLGLSYLSSHIANVERV  
PFDAATLHTSTAMAAQHGMDDDGTTGQKIWRIEGSNKVPVDPATYGGQFYGGDSYIILYNYRHGGRQGQII  
YNWQGAQSTQDEVAASAILTAQLDEELGGTPVQSRVQVQKPAHMLSLFGGKPMIYYKGGTSREGGQTAP  
ASTRLFQVRANSAGATRAVEVLPKAGALNSNDAFVLKTPSAAYLWVGTGASEAEKTGAQELLRVLRAQPV  
QVAEGSEPDGFWEALGGKAAAYRTSPRLKDKKMDAHPRLFACSNKIGRFVIEVPGELMQEDLATDDVML  
LDTWDQVFVWVGKDSQEEKTEALTSAKRYIETDPANRRRTPITVVKQGFEPSPFVGWFLGWDDDYWSV  
DPLDRAMAELAA

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

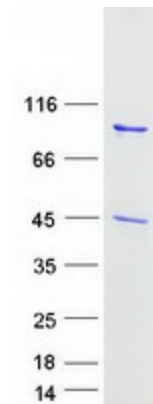
Tag:	C-Myc/DDK
Predicted MW:	82.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_000168</a>
<b>Locus ID:</b>	2934
<b>UniProt ID:</b>	<a href="#">P06396</a> , <a href="#">A0A384MEF1</a>
<b>RefSeq Size:</b>	2705
<b>Cytogenetics:</b>	9q33.2
<b>RefSeq ORF:</b>	2346
<b>Synonyms:</b>	ADF; AGEL
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Protein Pathways:</b>	Fc gamma R-mediated phagocytosis, Regulation of actin cytoskeleton

### Product images:



Coomassie blue staining of purified GSN protein (Cat# [TP314871]). The protein was produced from HEK293T cells transfected with GSN cDNA clone (Cat# [RC214871]) using MegaTran 2.0 (Cat# [TT210002]).