

## Product datasheet for PH314871

### Gelsolin (GSN) (NM\_000177) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	GSN MS Standard C13 and N15-labeled recombinant protein (NP_000168)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214871
Predicted MW:	85.7 kDa
Protein Sequence:	>RC214871 representing NM_000177 Red=Cloning site Green=Tags(s)
	MAPHRPAPALLCALSLALCALSLPVRAATASRGASQAGAPQGRVPEARPNMSMVVEHPEFLKAGKEPLQI WRVEKFDLVPVPTNLYGDFFTGDAYVILKTVQLRNGNLQYDLHYWLGNECSQDESGAAAIFTVQLDDYLN GRAVQHREVQGFESATFLGYFKSGLKYKGGVASGFKHVVPNEVVVQRLFQVKGRRVVRATEVPSWESF NNGDCFILDLGNNIHQWCGSNSNRYERLKATQVSKGIRDNERSGRARVHVSEEGTEPEAMLQVLGPKPAL PAGTEDTAKEDAANRKLAKLYKVSNGAGTMSVSLVADENPFAQGALKSEDCFILDHGKDGKIFVWKGKQA NTEERKAALKTASDFITKMDYPKQTQVSVLPEGGETPLFKQFFKNWRDPDQTDGLGLSYLSSHIANVERV PFDAATLHTSTAMAAQHGMDDGTGQKQIWRIEGSNKVPVDPATYGFYGGDSYIILYNYRHGGRQGQII YNWQGAQSTQDEVAASAILTAQLDEELGGTPVQSRVVQKKEPAHMLSLFGGKPMIYKGGTSREGGQTAP ASTRLFQVRANSAGATRAVEVLPKAGALNSNDAFVLKTPSAAYLWVGTGASEAEKGTGAQELLRLVRAQPV QVAEGSEPDGFWEALGGKAAAYRTSPRLKDKKMDAHPPLRFACSNKIGRFVIEEVPGELMQEDLATDDVML LDTWDQVFWVVGKDSQEEKTEALTSAKRYIETDPANRRRTPITVVKQGFEPSPFVWGLGWDDDYWSV DPLDRAMAELAA
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_000168</a>



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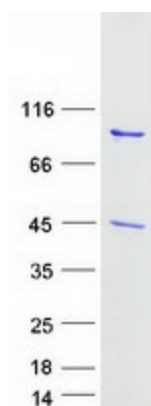
RefSeq Size: 2705  
RefSeq ORF: 2346  
Synonyms: ADF; AGEL  
Locus ID: 2934  
UniProt ID: [P06396](#), [A0A384MEF1](#)  
Cytogenetics: 9q33.2

**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]

**Protein Families:** Druggable Genome, Secreted Protein

**Protein Pathways:** 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]).