

Recombinant Full Length Human GSN Protein, C-Flag-tagged

Cat. No. GSN-93HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human GSN Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	82.9 kDa
AA Sequence	MAPHRPAPALLCALSLALCALSLPVRAATASRGASQAGAPQGRVPEARPNMVEH PEFLKAGKEPGLQI WRVEKFDLVPVPTNLYGDDFTGDAYVILKTVQLRNGNLQYDLH YWLGNECSQDESGAAAIFTVQLDDYLN GRAVQHREVQGFESATFLGYFKSGLKYK KGGVASGFKHVVPNEVVVQRLFQVKGRRVVRATEVPVSWESF NNGDCFILDGNN IHQWCGSNSNRYERLKATQVSKGIRDNERSGRARVHVSEEGTEPEAMLQVLGPKP AL PAGTEDTAKEDAANRKLAKLYKVSNGAGTMSVSLVADENPFAQGALKSEDCFIL DHGKDGKIFVWKGKQA NTEERKAALKTASDFITKMDYPKQTQVSVLPEGGETPLFK QFFKNWRDPDQTDGLGLSYLSSHIANVERV PFDAATLHTSTAMAAQHGMDDDDGTG

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QKQIWRIEGSNKVPVDPATYGQFYGGDSYIILYNRYHGGRRQGQII YNWQGAQSTQD
 EVAASAILTAQLDEELGGTPVQSRVVQGKEPAHLMSLFGGKPMIYKGGTSREGGQT
 AP ASTRLFQVRANSAGATRAVEVLPAKAGALNSNDAFVLKTPSAAYLWVGTGASEAE
 KTGAQELLRLRAQPV QVAEGSEPDGFWREALGGKAAARTSPRLKDKKMDAHPRL
 FACSNIKGRFVIEEVPGELMQEDLATDDVML LDTWDQVFVWVGKDSQEEEEKTEALT
 SAKRYIETDPANRDRRTPITVVKQGFPPSFVGWFLGWDDDDYWSV
 DPLDRAMAELAATRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Secreted Protein
Protein Pathways	Fc gamma R-mediated phagocytosis, Regulation of actin cytoskeleton
Full Length	Full L.

GENE INFORMATION

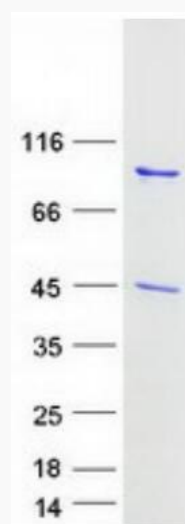
Gene Name	GSN gelsolin [Homo sapiens (human)]
Official Symbol	GSN

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Synonyms	ADF; AGEL
Gene ID	2934
mRNA Refseq	NM_000177.5
Protein Refseq	NP_000168.1
MIM	137350
UniProt ID	P06396



Coomassie blue staining of purified GSN protein.