

Recombinant Human GSN Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GSN-4097H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GSN MS Standard C13 and N15-labeled recombinant protein (NP_000168) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	85.7 kDa
AA Sequence	MAPHRPAPALLCALSLALCALSLPVRAATASRGASQAGAPQGRVPEARPNMSMVVEH PEFLKAGKEPGLQIWRVEKFDLVPVPTNLYGDFFTGDAYVILKTVQLRNGNLQYDLH YWLGNECSQDESGAAAIFTVQLDDYLNGRAVQHREVQGFESATFLGYFKSGLKYYK GGVASGFKHVVPNEVVVQRLFQVKGRRVVRATEVPVSWESFNNGDCFILDGNNIH QWCGSNSNRYERLKATQVSKGIRDNERSGRARVHVSEEGTEPEAMLQVLGPKPAL PAGTEDTAKEDAANRKLAKLYKVSNGAGTMSVSLVADENPFAQGALKSEDCFILDH GKDGKIFVWKGKQANTEERKAALKTASDFITKMDYPKQTQVSVLPEGGETPLFKQF FKNWRDPDQTDGLGLSYLSSHIANVERVPFDAATLHTSTAMAAQHGMDDDGTDGQK

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

QIWRIEGSNKVPVDPATYGGFYGGDSYIILYNRYHGGRQGQIYNWQGAQSTQDEV
 AASAILTAQLDEELGGTPVQSRVVQGKEPAHLMSLFGGKPMIYKGGTSREGGQTAP
 ASTRLFQVRANSAGATRAVEVLPKAGALNSNDAFVLKTPSAAYLWVGTGASEAEKT
 GAQELLRVLRAQPVQVAEGSEPDGFWEALGGKAAYRTSPRLKDKKMDAHPRLFA
 CSNKIGRFVIEEVPGELMQEDLATDDVMLLDTWDQVFVWVGKDSQEEEEKTEAL TSA
 KRYIETDPANRDRRTPITVVKQGFEPSPFVGWFLGWDDDYWSVDPLDRAMAELAAT
 RTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name GSN gelsolin [*Homo sapiens* (human)]

Official Symbol GSN

Synonyms GSN; gelsolin; gelsolin (amyloidosis, Finnish type); amyloidosis; Finnish type; DKFZp313L0718; brevin; actin-depolymerizing factor; ADF; AGEL;

Gene ID 2934

mRNA Refseq NM_000177

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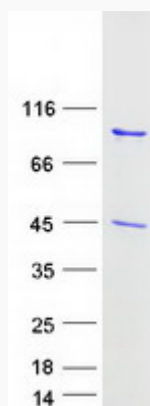
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Protein Refseq NP_000168

MIM 137350

UniProt ID P06396

SDS-PAGE



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