

Recombinant Full Length Human GSN Protein

Cat. No. GSN-210HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Gelsolin with an N terminal proprietary tag; Predicted MWt 112.09 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	782 amino acids
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	Liquid
Molecular Mass	112.090kDa inclusive of tags
AA Sequence	MAPHRPAPALLCALSLALCALSLPVRAATASRGASQAGAP QGRVPEARPNMSMVVE HPEFLKAGKEPGLQIWRVEKFDLVP VPTNLYGDFFTGDAYVILKTVQLRNGNLQYDL HYWLGNEC SQDESGAAAIFTVQLDDYLNGRAVQHREVQGFESATFLGY FKSGLKY KKGGVASGFKHVVPNEVVQRLFQVKGRRVVRA TEVPVSWESFNNGDCFILDGN NIHQWCGSNSNRYERLKA TQVSKGIRDNERSGRARVHVSEEGTEPEAMLQVLGPK PAL PAGTEDTAKEDAANRKLAKLYKVSNGAGTMSVSLVADENP FAQGALKSEDCFI

 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

LDHGKDGKIFVWKGKQANTEERKAALK TASDFITKMDYPKQTQVSVLPEGGETPLF
 KQFFKNWRDPD QTDGLGLSYLSSHIANVERVPFDAATLHTSTAMAAQHGMDDG
 TGQKQIWRIEGSNKVPVDPATYGQFYGGDSYIILYNY RHGGRQGQIYNWQGAQST
 QDEVAASAILTAQLDEELGGT PVQSRVVQGKEPAHLMSLFGGKPMIYKGGTSREG
 GQTAP ASTRLFQVRANSAGATRAVEVLPAKAGALNSNDAFVLKTPS AAYLWVGTA
 SEAEKTGAQELLRLRAQPVQVAEGSEPDG FWEALGGKAAAYRTSPRLKDKKMDAH
 PPRLFACSNKIGRFV IEEVPGELMQEDLATDDVMLLDTWDQVFVWVGKDSQEEEEK
 TEALTSAKRYIETDPANRDRRTPTITVVKQGFEPSPFVGWF LGWDDDYWSVDPLDR
 AMAELAA

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents: 0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name GSN gelsolin [Homo sapiens]

Official Symbol GSN

Synonyms GSN; gelsolin; gelsolin (amyloidosis, Finnish type); amyloidosis; Finnish type; DKFZp313L0718

Gene ID 2934

mRNA Refseq NM_000177

Protein Refseq NP_000168

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MIM	137350
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UniProt ID	P06396
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