

Recombinant Full Length Human GSN Protein, GST-tagged

Cat. No. GSN-3330HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human GSN full-length ORF (AAH26033.1, 1 a.a. - 782 a.a.) recombinant protein with GST-tag at N-terminal.
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. [provided by RefSeq]
Molecular Mass	112.1 kDa
AA Sequence	MAPHRPAPALLCALSLALCALSLPVRAATASRGASQAGAPQGRVPEARPNMVEH PEFLKAGKEPGLQIWRVEKFDLVPVPTNLYGDFFTGDAYVILKTVQLRNGNLQYDLH YWLGNECSQDESGAAAIFTVQLDDYLNGRAVQHREVQGFESATFLGYFKSGLKYYK GGVASGFKHVVPNEVVVQRLFQVKGRRVVRATEVPVSWESFNNGDCFILDGNNIH QWCGSNSNRYERLKATQVSKGIRDNERSGRARVHVSEEGTEPEAMLQVLGPKPAL PAGTEDTAKEDAANRKLAKLYKVSNGAGTMSVSLVADENPFAQGALKSEDCFILDH GKDGKIFVWKGKQANTEERKAALKTASDFITKMDYPKQTQVSVLPEGGETPLFKQF

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



FKNWRDPDQTDGLGLSYLSSHIANVERVPFDAATLHTSTAMAAQHGMDDDGTTGQK
QIWRIEGSNKVPVDPATYGGFYGGDSYIILYNRYRHGGRQGGIYNWQGAQSTQDEV
AASAILTAQLDEELGGTPVQSRVVQGKEPAHLMSLFGGKPMIYKGGTSREGGQTAP
ASTRLFQVRANSAGATRAVEVLPKAGALNSNDAFVLKTPSAAYLWVGTGASEAEKT
GAQELLRVLRAQPVQVAEGSEPDGFWEALGGKAAAYRTSPRLKDKKMDAHPPLFA
CSNKIGRFVIEEVPGELMQEDLATDDVMLLDTWQVFWVWGKDSQEEEEKTEALTA
KRYIETDPANRDRRTPITVVKQGFPPSFVWFLGWDDDYWSVDPLDRAMAELAA

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

GSN gelsolin [Homo sapiens]

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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Protein Refseq [NP_000168](#)

MIM [137350](#)

UniProt ID [P06396](#)

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