

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 GGVASGFKHVVVNNEVVVQRLFQVKGRRVVRATEVPVSWESFNNGDCFILDGNNIH QWCGSNSNRYERLKATQVSKGIRDNERSGRARVHVSEEGTEPEAMLQVLGPKPAL PAGTEDTAKEDAANRKLAKLYKVSNGAGTMSVSLVADENPFAQGALKSEDCFILDH GKDGKIFVWKGKQANTEERKAALKTASDFITKMDYPKQTQVSVLPEGGETPLFKQF

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FKNWRDPDQTDGLGLSYLSSHIANVERVPFDAATLHTSTAMAAQHGMDDDDGTGQK
 QIWRIEGSNKVPVDPATYGQFYGGDSYIILYNRYRHGGRQGQIIYNWQGAQSTQDEV
 AASAILTAQLDEELGGTPVQSRVVQGKEPAHLMSLFGGKPMIYYKGGTSREGGQTAP
 ASTRLFQVRANSAGATRAVEVLPKAGALNSNDAFVLKTPSAAYLWVGTGASEAEKT
 GAQELLRLVRAQPVQVAEGSEPDGFWEALGGKAAAYRTSPRLKDKKMDAHPRLFA
 CSNKIGRFVIEEVPGELMQEDLATDDVMLLDTWDQVFVWVGKDSQEEEEKTEAL TSA
 KRYIETDPANRDRRTPITVVKQGFEPSPFVGWFLGWDDDYWSVDPLDRAMAELAA

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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