

Recombinant Human GSN

Cat. No. GSN-29012TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 673-782 of Human Gelsolin with an N terminal proprietary tag; Predicted MWt 37.84 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	110 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.
Molecular Weight	37.840kDa inclusive of tags
Tissue specificity	Phagocytic cells, platelets, fibroblasts, nonmuscle cells, smooth and skeletal muscle cells.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	SNKIGRFVIEEVPGELMQEDLATDDVMLLDTWQVFWVG KDSQEEEEKTEALTSAK RYIETDPANRDRRTPTITVVKQGFE PPSFVGWFLGWDDDYWSVDPLDRAMAELAA
Sequence Similarities	Belongs to the villin/gelsolin family.Contains 6 gelsolin-like repeats.
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
MIM	137350
Uniprot ID	P06396
Chromosome Location	9q33
Pathway	Amyloids, organism-specific biosystem; Apoptosis, organism-specific biosystem;

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Apoptotic cleavage of cellular proteins, organism-specific biosystem; Apoptotic executionphase, organism-specific biosystem; Caspase cascade in apoptosis, organism-specific biosystem;

Function

actin binding; calcium ion binding; protein binding;

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