

## Recombinant Human GSN, GST-tagged

Cat. No. GSN-13563H Lot. No. (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Human GSN protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.   |
| <b>Species</b>          | Human   |
| <b>Source</b>           | E.coli  |
| <b>ProteinLength</b>    | C-term-350a.a.  |
| <b>Description</b>      | This gene encodes a G-protein coupled receptor 1 family member involved in the complement system of the innate immune response. Unlike classical G-protein coupled receptors, the encoded protein does not associate with intracellular G-proteins. It may instead modulate signal transduction through the beta-arrestin pathway, and may alternatively act as a decoy receptor. This gene may be involved in coronary artery disease and in the pathogenesis of sepsis. Alternative splicing results in multiple transcript variants. |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.   |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.   |

### GENE INFORMATION

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|                            |  |
|----------------------------|--|
| <b>Gene Name</b>           | GSN gelsolin [ Homo sapiens ]  |
| <b>Official Symbol</b>     | GSN  |
| <b>Synonyms</b>            | GSN; gelsolin; gelsolin (amyloidosis, Finnish type); amyloidosis; Finnish type; DKFZp313L0718; brevin; actin-depolymerizing factor; ADF; AGEL;   |
| <b>Gene ID</b>             | 2934   |
| <b>mRNA Refseq</b>         | NM_000177  |
| <b>Protein Refseq</b>      | NP_000168  |
| <b>MIM</b>                 | 137350   |
| <b>UniProt ID</b>          | P06396   |
| <b>Chromosome Location</b> | 9q33   |
| <b>Pathway</b>             | Amyloids, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptotic cleavage of cellular proteins, organism-specific biosystem; Apoptotic executionphase, organism-specific biosystem; Caspase cascade in apoptosis, organism-specific biosystem; Caspase-mediated cleavage of cytoskeletal proteins, organism-specific biosystem; Coregulation of Androgen receptor activity, organism-specific biosystem; |
| <b>Function</b>            | actin binding; calcium ion binding; protein binding;   |

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