

Product Name: Recombinant Human GSN (C-mFc)
Catalog #: PHH2416

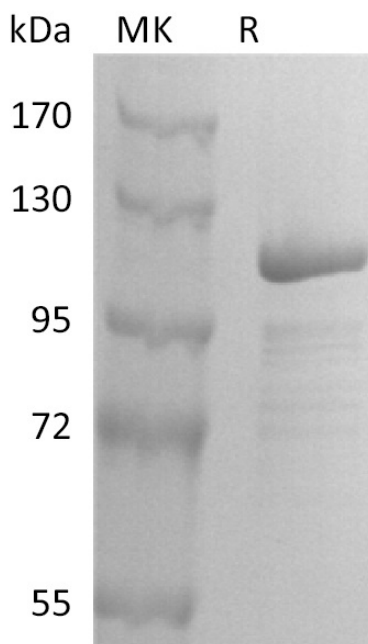


Summary

Name	GSN/Gelsolin
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Gelsolin is produced by our Mammalian expression system and the target gene encoding Ala28-Ala782 is expressed with a mouse IgG1 Fc tag at the C-terminus.
Accession #	P06396
Host	Human cells
Species	Human
Predicted Molecular Mass	109.3 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 1mM EDTA, 1mM DTT, 5% Trehalose, 0.1% Triton X-100, pH 8.0.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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Alternative Names

Gelsolin; GSN; AGEL; Actin-depolymerizing factor; ADF; Brevin

Background

Gelsolin is a calcium-activated actin filament severing and capping protein found in many cell types and as a secreted form in the plasma of vertebrates. Gelsolin is composed of six of these domains, termed G1-6. Some reaseraches show that gelsolin can act as a transcriptional cofactor in signal transduction and its own expression and function can be influenced by epigenetic changes. The difference in the expression levels of cytoplasmic and plasma gelsolin suggests that these two different forms of gelsolin may play different roles after cardiac injury. Plasma gelsolin, as an important component of the EASS, may have evolved to rapidly clear actin filaments from the circulation that are released by injured or dead cells.

Note

For Research Use Only , Not for Diagnostic Use.