Recombinant Human Gelsolin/GSN Protein

Catalog No.: RP03183

Sequence Information

Species
Human

Gene ID
2934

Swiss Prot
P06396-1

Tags
C-mFc

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

Product Information

Source
HEK293 cells

Purification
≥ 90 % as determined by SDS-PAGE.

Calculated MW
109.3 KDa

Observed MW
115-125 KDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 1mM EDTA, 1mM DTT, 5% Trehalose, 0.1% Triton X-100, pH 8.0. Contact us for customized product form or formulation.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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.

Basic Information

Description
Recombinant Human Gelsolin/GSN Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala28-Ala782) of Human Gelsolin/GSN (Accession #NP_000168.1) fused with mouse IgG1 Fc tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

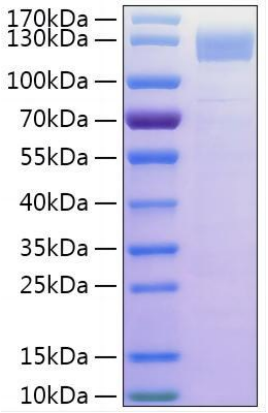
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Recombinant Human Gelsolin/GSN Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.