

GSN Protein, Human, Recombinant (mFc)

General Information

Synonyms:	ADF;Actin-depolymerizing factor;Brevin;Gelsolin;GSN;AGEL
Protein Construction:	Ala28-Ala782
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P06396
Molecular Weight:	115-125 KDa (reducing condition)
AA Sequence:	Ala28-Ala782

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 90% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing 20 mM Tris-HCl, 150 mM NaCl, 1 mM EDTA, 1 mM DTT, 5% Trehalose, 0.1% Triton X-100, pH 8.0.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein 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.

A DRUG SCREENING EXPERT

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481