



# Recombinant Mouse Gelsolin (Gsn)

<b>Product Code</b>	CSB-EP009965MO-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P13020
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>           ATTSR GRAQERAPQS RVSEARPSTM VVEHPEFLKA GKEPGLQIWR            VEKFDLVPVP PNLYGDDFTG DAYVILKTVQ LRNGNLQYDL HYWLGNECSQ            DESGAAAI FT VQLDDYLNGR AVQHREVQGF ESSTFSGYFK SGLKYKGGV            ASGFKHVVPN EVVVQRLFQV KGRRVVRATE VPVSWDSFNN GDCFILDLGN            NIYWQWCGSGS NKFERLKATQ VSKGIRDNER SGRAQVHVSE EGGEPEAMLQ            VLGPKPALPE GTEDTAKEDA ANRRLAKLYK VSNGAGSMSV SLVADENPFA            QGALRSEDCF ILDHGRDGKI FVWKGKQANM EERKAALKTA SDFISKMQYP            RQTQVSVLPE GGETPLFKQF FKNWRDPDQT DGPGLGYLSS HIANVERVPF            DAATLHTSTA MAAQHGMDDD GTGQKQIWRI EGSNKVPVDP            ATYGQFYGGD SYIILYNYRH GGRQGQIYN WQGAQSTQDE VAASAILTAQ            LDEELGGTPV QSRVVQGKEP AHLMSLFGGK PMIIYKGGTS RDGGQTAPAS            IRLFQVRASS SGATRAVEVM PKSGALNSND AFVLKTPSAA YLWVGAGASE            AEKTGAQELL KVLRSQHVQV EEGSEPDAFW EALGGKTAYR TSPRLKDKKM            DAHPPRLFAC SNRIGRFVIE EVPGELMQED LATDDVMLLD TWDQVFVWVG            KDSQEEKTE ALTSAKRYIE TDPANRDRRT PITVVRQGF EPPSFVGVWFLG            WDDNYWSVDP LDRALAEELAA         </p>
<b>Source</b>	E.coli
<b>Target Names</b>	Gsn
<b>Protein Names</b>	Recommended name: Gelsolin Alternative name(s): Actin-depolymerizing factor Short name= ADF Brevin
<b>Expression Region</b>	26-780
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This protein 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.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.