



# Recombinant Rat Gelsolin (Gsn)

<b>Product Code</b>	CSB-EP715028RA
<b>Abbreviation</b>	Gsn
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q68FP1
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>           ATASR GRAQERAPQS RVSETRPSTM VVEHPEFLKA GKEPGLQIWR            VEKFDLVPVP PNLYGDFFTG DAYVILKTVQ LRNGNLQYDL HYWLGNECSQ            DESGAAAIFT VQLDDYLNGR AVQHREVQGF ESSTFQGYFK SGLKYKKGGV            ASGFKHVVPN EVVQRLFQV KGRRVVRATE VPVSWDSFNN GDCFILDLGN            NIYQWCGSGS NKFERLKATQ VSKGIRDNER SGRAQVHVSE EGSEPEAMLQ            VLGPKPDLPQ GTEDTAKEDA ANRRLAKLYK VSNSGGSMSV SLVADENPFA            QSALRSEDCF ILDHGRDGKI FVWKGKQANM DERKAALKTA SDFISKMQYP            RQTQVSVLPE GGETPLFKQF FKNWRDPDQT DGPGLSYLSS HIANVERVPF            DAATLHTSTA MAAQHGMDDD GTGQKQIWR EGSNKVLVDP ATYGQFYGGD            SYIILYNRYH GGRQQIYN WQGAQSTQDE VAASAILTAQ LDEELGGTPV            QSRVVQGKEP AHLMSLFGGK PMIIYKGGTS RDGGQTPAS TRLFQVRASS            SGATRAVEVM PKAGALNSND AFVLKTPSAA YLWVGTGASD AEKTGALELL            KVLRAQHVVQV EEGSEPDGFW EALGGKTAYR TSPRLKDKKM DAHPPRLFAC            SNRIGRFVIE EVPGELMQED LATDDVMLLD TWDQVFWVVG KDSQEEEEKTE            ALTSAKRYIE TDPANRDRRT PITVVRQGFE PPSFVGWFLG WDDDYWSVDP            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.

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**Reconstitution**

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**

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