

Gelsolin (GS) Recombinant Protein | GS recombinant protein

Recombinant Gelsolin (GS)

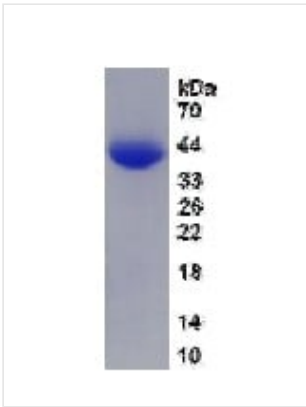
CATALOG # AAA133973	HOST E.coli	REACTIVITY Rattus norvegicus (Rat)
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PRODUCT SYNONYMS

Gelsolin (GS); Recombinant Gelsolin (GS); GS recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Rattus norvegicus (Rat)
Purity/Purification	> 97%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Concentration	Original Concentration: 200ug/mL (varies by lot)
Source	Prokaryotic expression
Residues	Ala432~Ala780
Tags	N-terminal His Tag
Subcellular Location	Secreted
Traits	Freeze-dried powder
Predicted Isoelectric Point	5.3
Predicted Molecular Mass	39.6kDa
Phenomenon Explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.



Sequence

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EGSNKVLVDP ATYQQFYGGD SYILLNRYH GGRQGIIN HQGAQSTQDE
VAASAILTAQ LDEELGGTPV QSRVQKPE AHLMSLFGGK PRLIYKGGTS
RDGGQTTPAS TRLFQVRASS SGATRAVEVN PKAGALNSND AFVLKTPSAA
YLVGTGASD AEKTGALELL KVLRAQHVQV EEGSEPDGFN EALGGKTAYR
TSPRLKQKKM DAHFPRLFAC SNRIGRVTE LVPGLMGTD LATDDVMILD
THDQVFVWVG KDSQEEETE ALTSAKRYIE TDPANRDRT PITVVRQGE
PPSFVGHFLG WDDYWSVDP LDRALAEAA
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SDS-PAGE
Figure. SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	51854227
NCBI GeneID	296654
NCBI Accession #	NP_001004080.1
NCBI GenBank Nucleotide #	NM_001004080.1
UniProt Accession #	Q68FP1
Molecular Weight	43kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	gelsolin
NCBI Official Synonym Full Names	gelsolin
NCBI Official Symbol	Gsn
NCBI Protein Information	gelsolin; ADF; breviny; actin-depolymerizing factor
UniProt Protein Name	Gelsolin
UniProt Gene Name	Gsn
UniProt Synonym Gene Names	ADF
UniProt Entry Name	GELS_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.