

GroEL recombinant protein

GroEL, 1-548aa, E Coli, E Coli

CATALOG # AAA11737	HOST E Coli	APPLICATIONS SDS-Page
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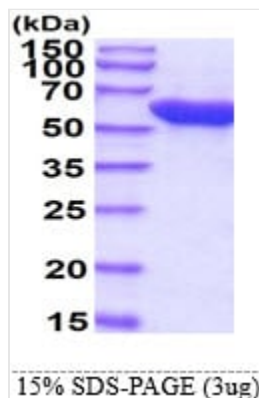
PRODUCT SYNONYMS

GroEL; 1-548aa; E Coli; groL; groEL; mopA; Protein Cpn60; 60 kDa chaperonin; groEL protein; chaperonin groel; GroEL recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 25 mM Tris-HCl (pH 7.5) 100mM NaCl, 5mM DTT, 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MAAKDVKFGN DARVKMLRGV NVLADAVKVT LGPKGRNVVL DKSFGAPTIT KDGVSVAREI ELEDKFENMG AQMVKEVASK ANDAAGDGT TATVLAQAI TEGLKAVAAG MNPMDLKRG DKAVTAAVEE LKALSVP CSD SKAIAQVGTI SANSDETVGK LIAEAMDKVG KEGVITVEDG TGLQDELDVV EGMQFDRGYL SPYFINKPET GAVELESPFI LLADKKISNI REMLPVLEAV AKAGKPLLII AEDVEGEALA TLVVNTMRGI VKVAAVKAPG FGDRRKAMLQ DIATLTGGTV ISEEIGMELE KATLEDLGQA KRVVINKDTT TIIDGVGEEA AIQGRVAQIR QQIEEATSDY DREKLQERVA KLAGGVAVIK VGAATEVEMK EKKARVEDAL HATRAAVEEG VVAGGGVALI RVASKLADLR GQNEQNVGI KVALRAMEAP LRQIVLNCGE EPSVVANTVK GGDGNYGYNA ATEEYGNMID MGILDPTKVT RSALQYAASV AGLMITTECM VTDLPKNDAA DLGAAGGMGG MGGMGMM
Sequence Length	1-548
Applicable Applications for GroEL recombinant protein	SDS-PAGE
Antigen Species	E Coli
Preparation and Storage	Can be stored at 2-8°C for 1 week. For long term storage, aliquot and store at 20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing conditions and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for GroEL recombinant protein	GroEL protein is the major heat shock protein of E Coli and belongs to the chaperonin (HSP60) family. GroEL protein prevents misfolding of proteins and promotes the refolding and proper assembly of unfolded polypeptides generated under stress condition. GroEL gene was amplified by PCR from E Coli and cloned into an expression vector. This protein was overexpressed in E Coli and was purified by using conventional chromatography techniques.
Product Categories/Family for GroEL recombinant protein	Heat Shock Proteins
References	Hemmingsen,S.M., et al (1988) Nature. 333 (6171) 330-334; Braig,K., et al (1994) Nature 371 (6498) 578-586; Chen,L and Singler,P.B. (1999) Cell 99 (7) 757-768;

NCBI AND UNIPROT INFORMATION

NCBI GI #	16131968
NCBI GeneID	948665
NCBI Accession #	NP_418567
NCBI GenBank Nucleotide #	NC_000913.3
UniProt Accession #	P0A6F5; P06139; Q2M6G1
Molecular Weight	57.3kDa (548aa), confirmed by MALDI-TOF.
NCBI Official Full Name	Cpn60 chaperonin GroEL, large subunit of GroESL
NCBI Official Symbol	groL
NCBI Official Synonym Symbols	ECK4137; groEL; JW4103; mopA
NCBI Protein Information	Cpn60 chaperonin GroEL, large subunit of GroESL
UniProt Protein Name	60 kDa chaperonin
UniProt Gene Name	groL

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.

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Online datasheet: <https://stage.aaabiotech.com/groL-recombinant-protein-e-coli-sds-page/11737>