

GROEL recombinant protein

Recombinant E Coli GroEL (HSP60)

CATALOG # AAA38370	HOST E Coli
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PRODUCT SYNONYMS

GroEL; Recombinant E Coli GroEL (HSP60); GroEL E.Coli; GroEL (HSP60) E.Coli Recombinant; CPN60; GROEL; HSP60; HSP65; SPG13; CHA60; GROL; crpA; mopA; 60 kDa chaperonin; Protein Cpn60; groEL protein; b4143; JW4103; GROEL recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	The groEL protein contains 25mM Tris-HCl buffer (pH 7.5), 100mM NaCl, 1mM DTT and 10% Glycerol. Sterile filtered colorless solution.
Sequence	MAAKDVKFGN DARVKMLRGV NVLADAVKVT LGPKGRNVVL DKSFGAPTIT KDGVSVAREI ELEDKFENMG AQMVKEVASK ANDAAGDGT TATVLAQAI TEGLKAVAAG MNPMDLKRGI DKA VTA AVEE LKALSVPCSD SKAIAQVGTI SANSDETVGK LIAEAMDKVG KEGVITVEDG TGLQDEL DVV EGMQFDRGYL SPYFINKPET GAVELESPFI LLADKKISNI REMLPVLEAV AKAGKPLII AEDVEGEALA TAVVNTIRGI VKVA AVKAPG FGDRRKAMLQ DIATLTGGTV ISEEIGMELE KATLEDLGQA KRVVINKDTT TIIDGVGEEA AIQGRVAQIR QQIEEATSDY DREKLQERVA KLAGGVAVIK VGAATEVEMK EKKARVEDAL HATRAAVEEG VVAGGGVALI RVASKLADLR GQNE DQNVGI KVALRAMEAP LRQIVLNCGE EPSVVANTVK GGDGNYGYNA ATEEYGNMID MGILDPTKVT RSALQYAASV AGLMITTECM VTDLPKNDAA DLGAAGGMGG MGGMGMMM
Sequence Length	548
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for GROEL recombinant protein	Description: Recombinant GroEL produced in E Coli is a single, non-glycosylated polypeptide chain containing 548 amino acids and having a molecular mass of 57.3kDa. Introduction: 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.
Product Categories/Family for GROEL recombinant protein	Heat Shock Proteins; Recombinant Proteins; Heat Shock Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	16131968
NCBI GeneID	948665
NCBI Accession #	NP_418567.1
NCBI GenBank Nucleotide #	NC_000913.3
UniProt Accession #	P0A6F5; P06139; Q2M6G1

Molecular Weight	57,329 Da
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
UniProt Entry Name	CH60_ECOLI

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/38370>