

## 32-5311: Recombinant E.Coli GroEL (HSP60)

**Alternative Name :** CPN60,GROEL,HSP60,HSP65,SPG13,CHA60,GROL,crpA,mopA,60 kDa chaperonin,Protein Cpn60,groEL protein,b4143,JW4103.

### Description

Source : Escherichia Coli. 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. 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 Info

**Amount :** 50 µg

**Purification :** Greater than 95.0% as determined by SDS-PAGE.

**Content :** The groEL protein contains 25mM Tris-HCl buffer (pH 7.5), 100mM NaCl, 1mM DTT and 10% Glycerol.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°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.

**Amino Acid :** MAAKDVKFGN DARVKMLRGV NVLADAVKVT LGPKGRNVVL DKSFGAPTIT KDGVSVAREIELEDKFENMG AQMVKEVASK ANDAAGDGT TATVLAQAI TEGLKAVAAG MNPMDLKRIGDKAVTAAVEE LKALSVPKSD SKAIAQVGTI SANSDETVGK LIAEAMDKVG KEGVITVEDGTGLQDEL DVV EGMQFDRGYL SPYFINKPET GAVELESPFI LLADKKISNI REPLPVLEAVAKAGKPLLI AEDVEGEALA TAVNTIRGI VKVAAVKAPG FGD RRKAMLQ DIATLTGGTVISEEIGMELE KATLEDLGQA KRVVINKDTT TIIDGVGEEA AIQGRVAQIR QQIEEATSDYDREKLQERVA KLAGGVAVIK VGAATEVEMK EKKARVEDAL HATRAAVEEG VVAGGGVALIRVASKLADLR GQNEQNVGI KVALRAMEAP LRQIVLNCGE EPSVANTVK GGDGNYGYNAATEEYGNMID MGILDPTKVT RSALQYAASV AGLMITTECM VTDLPKNDA DLGAAGGMGG MGGMGGMM.

