9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

GroEL E.Coli

GroEL (HSP60) E.Coli Recombinant
RCP0968

Product Overview

Name	GroEL E.Coli
Description	
GroEL (HSP60) E.Coli Recombinant	
Accession (Primary)	P0A6F5
Synonyms	
CPN60, GROEL, HSP60, HSP65, SPG13, CHA60, GROL, crpA, mopA, 60 kDa chaperonin, Protein Cpn60, groEL protein, b4143, JW4103.	
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 polypeptiedes generated under stress condition.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
The groEL protein contains 25mM Tris buffer (pH 7.5), 100mM NaCl, 5mM DTT and 10% Glycerol.	
Stability	
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.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MAAKDVKFGN DARVKMLRGV NVLADAVKVT LGPKGRNVVL DKSFGAPTIT KDGVSVAREIELEDKFENMG AQMVKEVASK ANDAAGDGTT TATVLAQAII TEGLKAVAAG MNPMDLKRGIDKAVTAAVEE LKALSVPCSD SKAIAQVGTI SANSDETVGK LIAEAMDKVG KEGVITVEDGTGLQDELDVV EGMQFDRGYL SPYFINKPET GAVELESPFI LLADKKISNI REMLPVLEAVAKAGKPLLII AEDVEGEALA TAVVNTIRGI VKVAAVKAPG FGDRRKAMLQ DIATLTGGTVISEEIGMELE KATLEDLGQA KRVVINKDTT TIIDGVGEEA AIQGRVAQIR	

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QQIEEATSDYDREKLQERVA KLAGGVAVIK VGAATEVEMK EKKARVEDAL HATRAAVEEG VVAGGGVALIRVASKLADLR GQNEDQNVGI KVALRAMEAP LRQIVLNCGE EPSVVANTVK GGDGNYGYNAATEEYGNMID MGILDPTKVT RSALQYAASV AGLMITTECM VTDLPKNDAA DLGAAGGMGG MGGMGGMM.

Precautions

GroEL E.Coli is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P0A6F5)