

Chaperonin GroEL Protein, Shigella dysenteriae serotype 1, Recombinant (His & Myc & SUMO)

General Information

Synonyms:	Chaperonin GroEL;groEL;groL;Chaperonin-60 (Cpn60);60 kDa chaperonin
Protein Construction:	101-548 aa
Species:	Shigella dysenteriae
Expression Host:	E. coli
Accession:	Q328C4
Molecular Weight:	66.9 kDa (predicted)
AA Sequence:	TEGLKAVAAGMNPMDLKRIGDKAVTAAVEELKALSVPSCSDSKAIAQVGTISANSDETGVKLI AEAMDKVGKE GVITVEDGTGLQDELDDVVEGMQFDRGYLSPYFINKPETGAVELESPFILLADKKISNIREMLPVLEAVAKAGKPL LIIAEDVEGEALATLVVNTMRGIVKVA AVKAPGFGDRRKAMLQDIATLTGGTVISEEIGMELEKATLEDLGQAK RVVINKDTTTTIIDGVGEEAAIQGRVAQIRQIQIEEATS DYDREKLQERVAKLGGVAVIKVGAATEVEMKEKKAR VEDALHATRAAVEEGVVAGGGVALIRVASKLADLRGQNE DQNVGIKVALRAMEAPLRQIVLNCGEEPSVVAN TVKGGDGNYGNAATEEYGNMIDMGILDPTKVTR SALQYAASVAGLMITTECMVTDLPKNDAADLGAAGG MGGMGGMGGMM

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

A DRUG SCREENING EXPERT

Together with its co-chaperonin GroES, plays an essential role in assisting protein folding. The GroEL-GroES system forms a nano-cage that allows encapsulation of the non-native substrate proteins and provides a physical environment optimized to promote and accelerate protein folding.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481