

Recombinant E.coli GroEL Protein

Catalog No.: TP02334

100µg

Sequence Information

Species: E.coli

Gene ID:66671945/948665

Swiss Prot:P0A6F5

Synonyms:60 kDa chaperonin, Protein Cpn60,
groL, mopA

Residues:Met1-Met548

MAAKDVKFGNDARVKMLRGVNVLADAVKVTLGPKGRNVVLDKSFSGAPTITKDGV
SVAREIELEDKFENMGAQMVKEVASKANDAAGDGTATVLAQAIITEGLKAVA
AGMNPMDLKRIGDKAVTAAVEELKALSVPSCSDSKAIAQVGTISANSDETVGKLI
AEAMDKVGKEGVITVEDGTGLQDELDDVVEGMQFDRGYLSPYFINKPETGAVELE
SPFILLADKKISNIREMLPVLEAVAKAGKPLLIIEAEDVEGEALATLVVNTMRGI
VKVAAVKAPGFGDRRKAMLQDIATLTGGTVISEEIGMELEKATLEDLGQAKRVV
INKDTTTTIIDGVGEEAAIQGRVAQIRQQIEEATSDYDREKLQERVAKLAGGVAV
IKVGAATEVEMKEKKARVEDALHATRAAVEEGVVAGGGVALIRVASKLADLRGQ
NEDQNVGIKVALRAMEAPLRQIVLNCGEEPSVVANTVKGGDGNYGNAATEEYG
NMIDMGILDPTKVTRSAALQYAASVAGLMITTECMVTDLPKNDAAADLGAAGGMGG
MGGMGGMM

Product Information

Source: Recombinant expression.

Host: *E.coli*

Tags: N-terminal His Tag

Subcellular Location: Cytoplasm.

Purity: >90%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Original Concentration: 200µg/mL

Applications: Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 4.5

Predicted Molecular Mass: 60.7kDa

Accurate Molecular Mass: 61kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in ddH₂O to a concentration of 0.1-0.5 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[IDENTIFICATION]

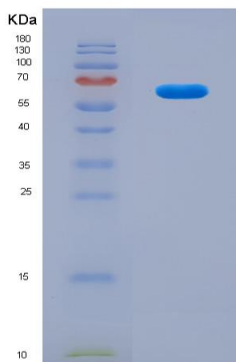


Figure 1. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for in vitro and research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.