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Datasheet for ABIN1667946

## Chaperonin GroEL (GroEL) (AA 1-548) protein (His tag)

### Overview

Quantity:	1 mg
Target:	Chaperonin GroEL (GroEL)
Protein Characteristics:	AA 1-548
Origin:	E. coli
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	ELISA

### Product Details

Sequence:	<p>MAAKDVKFGN DARVKMLRGV NVLADAVKVT LGPKGRNVVL DKSFGAPTIT KDGVSVAREI  ELEDKFENMG AQMVKEVASK ANDAAGDGT TATVLAQAI TEGLKAVAAG MNPMDLKRGI  DKAVTAAVEE LKALSVPCSD SKAIAQVGTI SANSDETVGK LIAEAMDKVG KEGVITVEDG  TGLQDELDDV EGMQFDRGYL SPYFINKPET GAVELESPFI LLADKKISNI REMLPVLEAV  AKAGKPLLI AEDVEGEALA TLVNTMRGI VKVAAVKAPG FGDRRKAMLQ DIATLTGGTV  ISEEIGMELE KATLEDLGQA KRWWINKDTT TIIDGVGEEA AIQGRVAQIR QQIEEATSDY  DREKLQERVA KLAGGVAVIK VGAATEVEMK EKKARVEDAL HATRAAVEEG VVAGGGVALI  RVASKLADLR GQNEQNVGI KVALRAMEAP LRQIVLNCGE EPSVVANTVK GGDGNYGYNA  ATEEYGNMID MGILDPTKVT RSALQYAASV AGLMITTECM VTDLPKNDA DLGAAGGMGG  MGGMGGMM</p>
Specificity:	Escherichia coli O1:K1 / APEC
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian

## Product Details

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cells or by baculovirus infection. Be aware about differences in price and lead time.

Purity: > 90 %

## Target Details

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Target: Chaperonin GroEL (GroEL)

Alternative Name: 60 kDa chaperonin 1 (groL1) ([GroEL Products](#))

Background: Recommended name: 60 kDa chaperonin 1.  
Alternative name(s): GroEL protein 1 Protein Cpn60 1

UniProt: [A1AJ51](#)

## Application Details

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Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

Storage: -20 °C

Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.