

## Product datasheet

# Recombinant E. coli groES protein ab86440

[1 References](#) [1 Image](#)

### Description

<b>Product name</b>	Recombinant E. coli groES protein
<b>Purity</b>	> 95 % SDS-PAGE. abb86440 was purified using conventional chromatography techniques.
<b>Expression system</b>	Escherichia coli
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Escherichia coli
<b>Sequence</b>	MNIRPLHDRV MKRKEVETK SAGGMLTGS AAKSTRGEV LAVGNRILE NGEVKPLDVK VGDVIFNDG YGVKSEKIDN EEVLIMSED ILAIVEA
<b>Description</b>	Recombinant <i>E. coli</i> groES protein

### Specifications

Our **Abpromise guarantee** covers the use of **ab86440** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE
<b>Form</b>	Liquid

### Preparation and Storage

<b>Stability and Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles. pH: 7.50 Constituents: 0.077% DTT, 0.395% Tris HCl, 10% Glycerol, 0.58% Sodium chloride
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### General Info

<b>Relevance</b>	GroEL and GroES are E.coli chaperones, which are homologs of the mitochondrial chaperones Hsp60 and Hsp10 respectively. GroEL is a double toroidal assembly of 14 identical subunits
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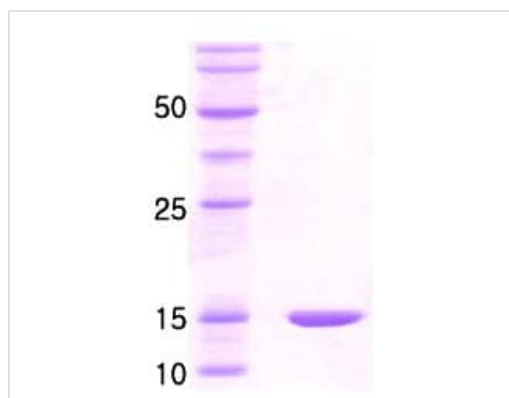
which form two heptameric rings stacked back-to-back, with a cavity at each end. GroEL and its co-chaperonin GroES facilitate protein folding in an ATP-dependent mechanism. Binding of substrate protein, in addition to binding of ATP, induces a conformational change that allows association of this binary complex with a separate lid structure, GroES.

#### Cellular localization

Cytoplasmic

#### Images

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14% SDS-PAGE showing ab86440.

SDS-PAGE - Recombinant *E. coli* groES protein  
(ab86440)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

#### Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
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