

# Recombinant E. coli GrpE protein ab63839

**1 References** [画像数 1](#)

### 製品の詳細

製品名	Recombinant E. coli GrpE protein
精製度	> 90 % SDS-PAGE. ab63839 was overexpressed in E.coli and purified by using the conventional column chromatography techniques.
発現系	Escherichia coli
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Escherichia coli
配列	MSSKEQKTPE GQAPEEIIIMD QHEEIEAVEP EASAEQVDPR DEKIANLEAQ LAEAQTRERD GILRVKAEME NLRRTTELDI EKAHKFALEK FINELLPVID SLDRALVAD KANPDMSAMV EGIELTLKSM LDVVRKFGVE VIAETNVPLD PNVHQAIAMV ESDDVAPGNV LGIMQKGYTL NGRTIRAAMV TVAKAKA

**製品の詳細**      Recombinant *E. coli* GrpE protein

### 特性

Our **Abpromise guarantee** covers the use of **ab63839** in the following tested applications.

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

**アプリケーション**      SDS-PAGE

**製品の状態**      Liquid

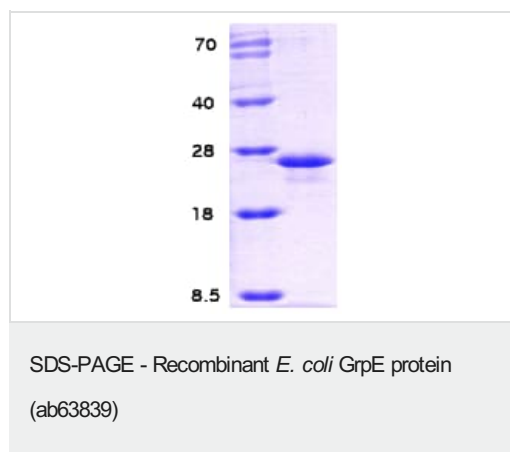
### 前処理および保存

**保存方法および安定性**      Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.  
pH: 8.00  
Constituents: 0.242% Tris, 0.58% Sodium chloride

## 関連情報

関連性	GrpE is a so-called co-chaperone because it is known to assist the DnaK (Hsp70) protein to effectively carry out DnaK-dependent chaperone activity (i.e. protein folding, protein transport, disaggregation of heat inactivated proteins, activation of mutant protein). GrpE acts as a nucleotide exchange factor for DnaK, the main Hsp70 protein in bacteria, accelerating ADP/ATP exchange by several orders of magnitude. Unfolded proteins bind initially to dnaJ; upon interaction with the dnaJ-bound protein, dnaK hydrolyzes its bound ATP, resulting in the formation of a stable complex. GrpE releases ADP from dnaK; ATP binding to dnaK triggers the release of the substrate protein, thus completing the reaction cycle. GrpE may also function as a thermosensor. GrpE is a homodimer, each subunit containing three structural domains: a N-terminal unordered segment, two long coils and a C-terminal globular domain formed by a four-helix bundle, and a beta-subdomain.
細胞内局在	Cytoplasmic

## 画像



3µg protein in 15% SDS-PAGE.

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

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