

## Recombinant E. coli DnaK Protein

**Cat. No.** DnaK-313E    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	DnaK (amino acids 1-638) was amplified by PCR and cloned into an E. coli expression vector. Recombinant E. coli DnaK (1-638) was overexpressed in E. coli and was purified to apparent homogeneity by using conventional column chromatography techniques.
<b>Species</b>	E.coli
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-638 a.a.
<b>Description</b>	ATP-regulated binding and release of polypeptide substrates. Hsc56 exhibits specificity toward Hsc62, as Hsc56 does not activate DnaK or Hsc66 ATPase activity.
<b>Form</b>	Liquid
<b>Molecular Mass</b>	69 kDa (638aa)
<b>AA Sequence</b>	<p>MGKIIGIDLGTNSCVAIMDGTTPRVLENAEGDRTPSIIAYTQDGETLVGQPAKRQA  VTNPQNTLFAIKRLIGRRFQDEEVQRDVSIMPFKIIAADNGDAWVEVKGQKMAPPQIS  AEVLKMKKTAEDYLGEPVTEAVITVPAYFNDAQRQATKDAGRIAGLEVKRIINEPTA  AALAYGLDKGTGNRTIAVYDLGGGTDFDISIIEIDEVDGEKTFEVLATNGDTHLGGEDF  DSRLINYLVEEFKQDQIDLRNDPLAMQRLKEAAEKAKIELSSAQQTDVNLPIYITADA  TGPKHMIKIVTRAKLESLVEDLVNRSIEPLKVALQDAGLSVSDIDDVILVGGQTRMPM  VQKKVAEFFGKEPRKDVNPDEAVAIGA AVQGGVLTGDVKDVL LLDVTPLSLGIETMG</p>

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GVMTTLIAKNTTIPTKHSQVFSTAEDNQSAVTIHVLQGERKRAADNKSLGQFNLDGIN  
 PAPRGMPQIEVTFDIDADGILHVSAKDKNSGKEQKITIKASSGLNEDEIQKMVRDAEA  
 NAEADRKFEELVQTRNQG D HLLHSTRKQVEEAGDKLPADDKTAIESALTALETALKG  
 EDKAAIEAKMQELAQVSQKLMEIAQQQHAQQQTAGADASANNAKDDDDVVDAEFEE  
 VKDKK

**Purity** > 85% by SDS-PAGE

**Applications** SDS-PAGE

**Storage** Can be stored at 2 to 8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.

**Concentration** 1 mg/mL (determined by Bradford assay)

**Storage Buffer** 25mM Tris-HCl buffer (pH 7.5) containing 100mM NaCl, 5mM DTT, 10% glycerol

## GENE INFORMATION

**Gene Name** [dnaK chaperone protein DnaK \[ Escherichia coli str. K-12 substr. MG1655 \]](#)

**Official Symbol** [dnaK](#)

**Synonyms** dnaK; chaperone protein DnaK; ECK0014; groPAB; groPC; groPF; grpC; grpF; seg; chaperone protein DnaK;

**Gene ID** [944750](#)

**Protein Refseq** [NP\\_414555](#)

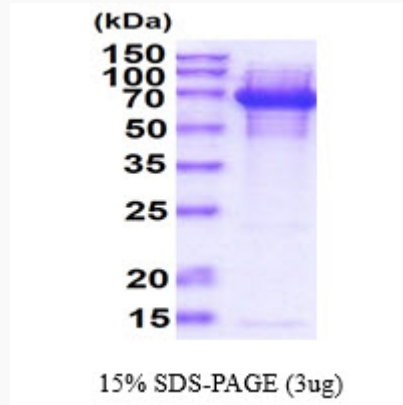
**UniProt ID** [P0A6Y8](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**SDS-PAGE**



3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA