

## Recombinant E. coli Dnak Protein, GST tagged

Cat. No. Dnak-001E Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant E. coli Dnak Protein (1-638 aa) with GST tag was expressed in E. coli.
<b>Species</b>	E.coli
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-638 aa
<b>Description</b>	DnaK, the major bacterial Hsp70, is one of the most abundant constitutively expressed and stress inducible chaperones in the E. coli cytosol. Yet it is not essential under nonstress conditions at intermediate temperature.
<b>AASequence</b>	MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPY YIDGDVKLTQSMARIYIADKHNMLGGCPKERAEISMLEGAVLDIRYGVSR IAYSKD FE TLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDA FPKLVCFKKRIEAI PQIDKYLKSSKYIAWPLQG WQATFGGGDHPPKSDLVPRGSMGK IIGIDLGT TNSCVAIMDGTTPRVLENAEGDRTPSIIAYTQDGETLVGQPAKRQAVTNP QNTLFAIKRLIGRRFQDEEVQRDVSIMPFKIIAADNGDAWVEVKGQKMAPPQISAEVL KKMKKTAEDYLGEPVTEAVITVPAYFNDAQRQATKDAGRIAGLEVKRIINEPTAAALA YGLDKGTGNRTIAVYDLGGGTFDISIIEIDEVDGEKTFEVLATNGDTHLGGEDFDSRLI NYLVEEFKQDQIDLRNDPLAMQRLKEAAEKAKIELSSAQQT D VNL PYITADATGPK HMNIKVTRAKLESLVEDLVNRSIEPLKVALQDAGLSVSDIDDVILVGGQTRMPMVQKK VAEFFGKEPRKDVNPDEAVAIGA AVQGGVLTGDVKD VLLLDVTPLSLGIETMGGVMT TLIAKNTTIPTKHSQVFSTAEDNQS AVTIHV LQGERKRAADNKSLGQFNLDGINPAPR

 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

GMPQIEVTFDIDADGILHVSADKNSGKEQKITIKASSGLNEDEIQKMVRDAEANA  
DRKFEELVQTRNQGDHLLHSTRKQVEEAGDKLPADDKTAIESALTALETALKGEDKA  
AIEAKMQELAQVSQKLMEIAQQQHAQQQTAGADASANNAKDDDVVDAEFEEVKDK  
K

**Molecular Mass** 95.4 kDa

**Purity** > 90% by SDS-PAGE

**Storage** Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Storage Buffer** Sterile 20mM Tris, pH8.0, 200mM NaCl, 10% Glycerol, 2mM DTT

**Concentration** 1 mg/mL by Bradford

## GENE INFORMATION

**Official Symbol** Dnak

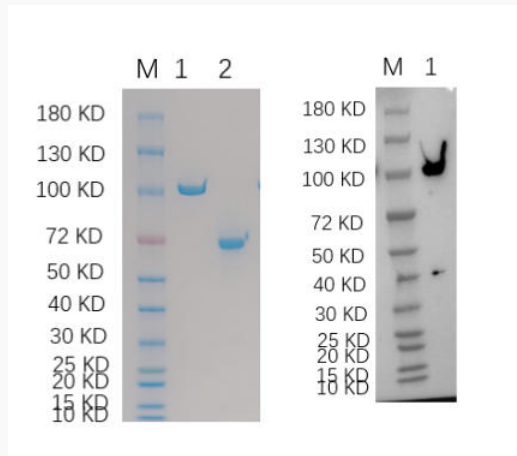
**Synonyms** Dnak

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**SDS-PAGE and WB**



Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Anti-GST Mouse Monoclonal antibody) analysis profiles of purified Dnak. 1. Dnak: 1  $\mu$ g 2. BSA: 1  $\mu$ g

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