

Recombinant E. coli Dnak Protein, GST tagged

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

SPECIFICATION

Product Overview	Recombinant E. coli Dnak Protein (1-638 aa) with GST tag was expressed in E. coli.
Species	E.coli
Source	E.coli
ProteinLength	1-638 aa
Description	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.
AASequence	MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPY YIDGDVKLTQSMARIYIADKHNM LGGCPKERA EISMLEGAVLDIRYGVSR IAYSKDFE TLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDA FPKLVCFKKRIEAI PQIDKYLKSSKYIAWPLQG WQATFGGGDHPPKSDLVPRGSMGK IIGIDLGT TNSCVAIMDGTT PRVLENAEGDRTTPSIIAYTQDGETLVGQPAKRQAVTNP QNTLFAIKRLIGRRFQDEEVQRDVSIMPFKIIAADNGDAWVEVKGQKMAPPQISAEVL KKMKKTAEDYLGE PVTEAVITVPAYFNDAQRQATKDAGRIAGLEV KRIINEPTAAALA YGLDKGTGNRTIAVYDLGGGTFDISIIEIDVDGEKTFEVLATNGDTHLGGEDFDSRLI NYLVEEFKKDQGIDLRNDPLAMQRLKEAAEKAKIELSSAQQT DVNLPYITADATGPK HMNIKVTRAKLESLVEDLVNRSIEPLKVALQDAGLSVSDIDDVILVGGQTRMPMVQKK VAEFFGKEPRKDVNPDEAVAIGA AVQGGVLTGDVKDVL LLDVTPLSLGIETMGGVMT TLIAKNTTIPTKHSQVFSTAEDNQSAVTIHVLQGERKRAADNKSLGQFNLDGINPAPR

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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

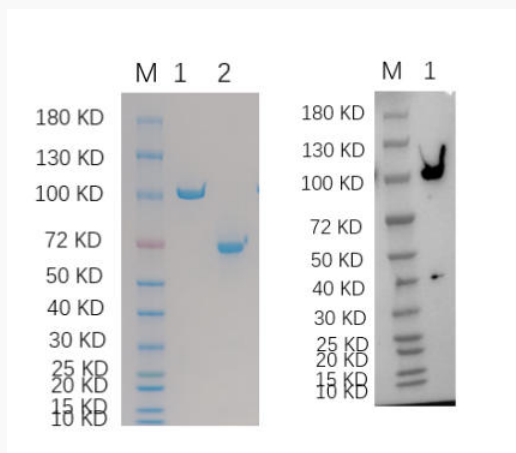
Synonyms Dnak

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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 µg 2. BSA: 1 µg

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