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dnaK
Recombinant *E. coli* DNAK (aa 508-638)

Catalog No.	CSI15614A CSI15614B	**Quantity:**	100 µg 500 µg

Alternate Names: ECK0014, JW0013, groPAB, groPC, groPF, grpC, grpF, seg

Description: DnaK, originally identified for its DNA replication by bacteriophage λ in *E. coli* is the bacterial hsp70 chaperone. This protein is involved in the folding and assembly of newly synthesized polypeptide chains and in preventing the aggregation of stress-denatured proteins. Dnak (residues 508-638) of the substrate binding domain is α-helical and appears to act as a lid covering the substrate binding cleft. DnaK(amino acid 508-638) was overexpressed in *E. coli* and purified to apparent homogeneity by using conventional column chromatography techniques. Additional amino acid(Met) is attached at N-terminus.

Concentration: 1 mg/ml (determined by Bradford assay)

Gene ID: 944750

Protein Accession No: NP_414555

Source: *E. coli*

Molecular Weight: 14.6kDa (132aa)

Formulation: Liquid. In 25 mM Tris-HCl buffer (pH 7.5) containing 100 mM NaCl, 1 mM DTT, 10% glycerol

Purity: > 95% by SDS - PAGE

Amino Acid Sequence: MNEDEIQKMV RDAEANAEAD RKFEELVQTR NQGDHLLHST RKQVEEAGDK LPADDKTAIE SALTALETAL KGEDKAAIEA KMQELAQVSQ KLMEIAQQQH AQQQTAGADA SANNAKDDDV VDAEFEEVKD KK

Storage & Stability: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -80°C. **Avoid repeated freezing and thawing cycles.**

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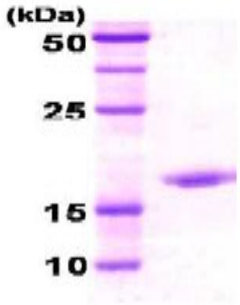

14% SDS-PAGE (3ug)

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