

**Dnak(508-638); A lid covering the substrate, Recombinant, E.coli**

**Cat.NO.: TP01905**

3th Edition

**Synonyms:**Chaperone protein dnaK, HSP70, groP, grpF, seg

**Description:**DnaK, originally identified for its DNA replication by bacteriophage  $\phi$  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.

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

**Molecular Weight:**14.6kDa (132aa)

**Sequences:**

MNEDEIQKMVRDAEANAADRKFEELVQTRNQG D HLLHSTRKQVEEAGDKLPADDKTAIESALTALETALKGEDKA  
AIEAKMQELAQVSQKLMEIAQQQHAQQQTAGADASANNAKDDDDVDAEFEEVKDKK

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by BCA assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.