www.atgen.co.kr
TEL : 82-31-731-2815
FAX : 82-31-731-2806

# DnaK(amino acids 1-638) Recombinant, *E.coli*

Cat. No. DNK3001 Size ; **100** ㎍

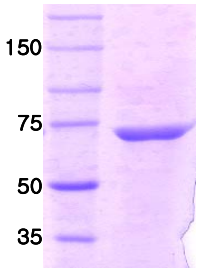
**Description :** DnaK, originally identified for its DNA replication by bacteriophage λ in *E. coli* is the bacterial hsp70 chaperone. This protein is involved in the folding and assembly of newly synthesized polypeptide chains and in preventing the aggregation of stress-denatured proteins. DnaK (amino acids 1-638) was amplified by PCR and cloned into an *E. coli* expression vector. DnaK 1-638 was overexpressed in *E. coli* and was purified to apparent homogeneity by using conventional column chromatography techniques.

**Form** : Liquid. 25 mM Tris-HCl, pH7.5, 100 mM NaCl, 5mM DTT,10%Glycerol.

**Molecular Weight** : 69KDa (638 amino acids)

**Purity** : ≥ 95% by SDS PAGE

**Storage** : Store at -20 °C. Avoid freeze/thaw cycles.



10% SDS-PAGE

**Reference** : Bardwell & Craig., *et al* (1984) *Proc. Natl. Acad. Sci*. 81, 848-852
Zhu et al.,*et al* (1996) *Science* 272, 1606-1614.
Naoki tanaka., *et al* (2002) *PNAS* 26(99)15398-15403