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**DnaK(amino acids 385-546) Recombinant, *E.coli***

Cat. No. DNK2001

Size ; 100µg

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**Description :** DNAK, originally identified for its DNA replication by bacteriophage  $\lambda$  in *E. coli* is the bacterial hsp70 chaperone. The protein coding region of the substrate binding domain of DNAK (amino acids 385-546) was amplified by PCR and cloned into an *E. coli* expression vector. The substrate binding domain of DNAK was overexpressed in *E. coli* and the recombinant protein was purified to apparent homogeneity by using conventional column chromatography techniques. Additional amino acid(Met) is attached at N- terminus

**Form :** Liquid. 25 mM Tris-HCl, pH7.5, 2 mM  $\beta$ -mercaptoethanol, 1 mM EDTA.

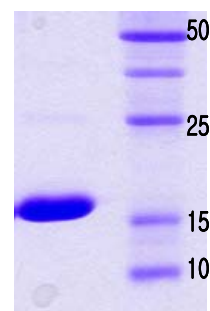
**Molecular Weight :** 17,777 (163amino acids)

**Purity :**  $\geq$  95% by SDS-PAGE

**Sequence :** MDVKDVLLLD VTPLSLGIET MGGVMTTLIA KNTTIPTKHS QVFSTAEDNQ SAVTIHVLQG 60  
61 ERKRAADNKS LGQFNLDGIN PAPRGMPQIE VTFDIDADGI LHVSAKDKNS GKEQKITIKA 120  
121 SSGLNEDEIQ KMVRDAEANA EADRKFEELV QTRNQGDHLL HST

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

**Reference :** Bardwell & Craig (1984) *Proc. Natl. Acad. Sci.* 81,  
848-852  
Zhu *et al.*, (1996) *Science* 272, 1606-1614.



15% SDS-PAGE