

DnaJ (Amino acids 1-376), Recombinant, E.coli

Cat.NO.: TP01892

3th Edition

Synonyms:Chaperone protein dnaJ, Heat shock protein J, HSP40, groP

Description:DnaJ, Heat shock protein, functions in association with DnaK(Hsp70) molecular chaperone to facilitate protein folding. p70 chaperone. DnaJ plays a key role in the chaperone reaction by stimulating the ATPase activity and activating the substrate binding of Hsp70.

Form:Liquid. In 25 mM Tris-HCl buffer (pH 8.8) containing 5 mM DTT, 100 mM NaCl, 10% glycerol.

Molecular Weight:41.1kDa (376aa), confirmed by MALDI-TOF

Sequences:

```
MAKQDY YEILGVSKTAE EHEIRKAYKRLAMKYHPDRNQGDKEAEAKFKEIKEAYEVLTD SQKRAAYDQYGHAAFEQ  
GGMGGGGFGGGADFS DIFGDVFGDIFGGGRGRQRAARGADLRYNMELTLEEAVR GVTKEIRIPTLEECDVCHGS  
GAKPGTQPQTCPTCH GSGVQMRQGGFFAVQQTCPHCQGRGTLIKDPCNKCHGHGRVERSKTLSVKIPAGVDTG  
DRIRLAGEGEAGEHG APAGDLYVQVQVKQHPIFEREGNNLYCEVPINFAMAALGGEIEVPTLDGRVKLKV PGETQT  
GKLFRMRGKGVKSVR GGAQGDLLCRVVVETPVGLNERQKQLLQELQESFGGPTGEHNSPRSKSFFDGVKKFFDD  
LTR
```

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford 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.