

Recombinant E.coli DnaJ Chaperone Hsp40, Co-chaperone with DnaK (1-376)

Cat. No. DnaJ-317E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant DnaJ was overexpressed in E. coli and purified to apparent homogeneity by using conventional column chromatography techniques (376 aa, 41.1 kDa).
Species	E.coli
Source	E.coli
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.. DnaJ consists of four domains that are N-terminal 76 amino acid J-domain, G/F domain, zinc-binding cystein rich CR-domain, C-terminal CTD-domain and they are conserved to various degrees among the homologues.
Formulation	Liquid. In 25 mM Tris-HCl buffer (pH 7.5) containing 5 mM DTT, 100 mM NaCl, 10% glycerol.
Molecular Weight	41.1 kDa (376aa).
Purity	> 95% by SDS – PAGE.
Concentration	1 mg/ml (determined by Bradford assay).

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Sequence

MAKQDYIEIL GVSKTAEHE IRKAYKRLAM KYHPDRNQGD KEAEAKFKEI
 KEAYEVLTDQ QKRAAYDQYG HAAFEQGGMG GGGFGGGADF SDIFGDVFGD
 IFGGGRGRQR AARGADLRYN MELTLEEAVR GVTKEIRIPT LEECDVCHGS
 GAKPGTQPQT CPTCHGSGQV QMRQGFFAVQ QTCPHCQGRG TLIKDPCNKC
 HGHGRVERSK TLSVKIPAGV DTGDRIRLAG EGEAGEHGAP AGDLYVQVQV
 KQHPIFEREG NNLYCEVPIN FAMAALGGEI EVPTLDGRVK LKVPGETQTG
 KLFRMRGKGV KSVRGGAQGD LLCRVVETP VGLNERQKQL LQELQESFGG
 PTGEHNSPRS KSFFDGVKKF FDDLTR

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.

GENE INFORMATION
Gene Name

[dnaJ](#)

Synonyms

dnaJ; dnaJ chaperone Hsp40, co-chaperone with DnaK; ECK0015; groP; grpC; JW0014; chaperone with DnaK; heat shock protein; Hsp40 (heat shock protein 40 kD).

Gene ID

[944753](#)

Protein Refseq

[NP_414556.1](#)

UniProt ID

P08622

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