83103 Avenue 48, Ste.1B #204
Coachella, CA 92236 USA
Phone : +1.6268339877
Email : info@cali-bio.com

California Bioscience

Product Datasheet

Product Name	DnaJ (HSP40) E.Coli Recombinant
Cata No	CB500757
Source	*Escherichia Coli.*
Synonyms	HSP-40, HSP40, DnaJ, DNAJB1, HSPF1, Hdj1, Chaperone protein dnaJ, Heat shock protein J, groP, b0015, JW0014.

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.
Recombinant Dna-J produced in E.Coli is a single, non-glycosylated polypeptide chain containing 376 amino acids and having a molecular mass of 41.1 kDa.

Physical Appearance

Sterile filtered colorless solution.

Purity

Greater than 95.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Analysis by SDS-PAGE.

Formulation

The DnaJ contains 25mM Tris-HCl buffer (pH 7.5), 100mM NaCl, 5mM DTT and 10% Glycerol.

Stability

Store at 4℃ if entire vial will be used within 2-4 weeks.
Store, frozen at -20℃ for longer periods of time.
For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).
Avoid multiple freeze-thaw cycles.

Sequence

MAKQDYYEIL GVSKTAEEHE IRKAYKRLAM KYHPDRNQGD KEAEAKFKEI KEAYEVLTDSQKRAAYDQYG HAAFEQGGMG GGGFGGGADF SDIFGDVFGD IFGGGRGRQR AARGADLRYNMELTLEEAVR GVTKEIRIPT LEECDVCHGS GAKPGTQPQT CPTCHGSGQV QMRQGFFAVQQTCPHCQGRG TLIKDPCNKC HGHGRVERSK TLSVKIPAGV DTGDRIRLAG EGEAGEHGAPAGDLYVQVQV KQHPIFEREG NNLYCEVPIN FAMAALGGEI EVPTLDGRVK LKVPGETQTG KLFRMRGKGV KSVRGGAQGD LLCRVVVETP VGLNERQKQL LQELQESFGG PTGEHNSPRSKSFFDGVKKF FDDLTR.

*** For Non-Clinical Research Use Only ***