9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

DnaJ E.Coli

DnaJ (HSP40) E.Coli Recombinant
RCP0653

Product Overview

Name	DnaJ E.Coli
Description	
DnaJ (HSP40) E.Coli Recombinant	
Accession (Primary)	P08622
Synonyms	
HSP-40, HSP40, DnaJ, DNAJB1, HSPF1, Hdj1, Chaperone protein dnaJ, Heat shock protein J, groP, b0015, JW0014.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
The DnaJ contains 25mM Tris-HCl buffer (pH 7.5), 100mM NaCl, 5mM DTT and 10% Glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C 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.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid 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	

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EVPTLDGRVK LKVPGETQTG KLFRMRGKGV KSVRGGAQGD LLCRVVVETP VGLNERQKQL LQELQESFGG PTGEHNSPRSKSFFDGVKKF FDDLTR.

Precautions

DnaJ E.Coli is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P08622)