
Product Data Sheet

Product Name: DnaJ E.Coli
 Cat. No.: GP25061
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	HSP-40; HSP40; DnaJ; DNAJB1; HSPF1; Hdj1; Chaperone protein dnaJ; Heat shock protein J; groP; b0015; JW0014.		
Amino Acid Sequence	MAKQDYEIL GVSKTAEHE IRKAYKRLAM KYHPDRNQGD KEAEAKFKEI KEAYEVLTDTSQKRAAYDQYG HAAFEQGGMG GGGFGGGADF SDIFGDVFGD IFGGGRGRQR AARGADLRNMELEAVR GVTKEIRIPT LEECDVCHGS GAKPGTQPQT CPTCHGSGQV QMRQGFFAVQQTCPHCQGRG TLIKDPCNKC HGHRVERSK TLSVKIPAGV DTGDRIRLAG EGEAGEHGAPAGDLYVQVQV KQHPIFEREG NNLYCEVPIN FAMAALGGEI EVPTLDGRVK LKVPGETQTG KLFRMRGKGV KSVRGGAQGD LLCRVVETP VGLNERQKQL LQELQESFGG PTGEHNSPRSKSFFDGVKKF FDDLTR.		
Formulation	The DnaJ contains 25mM Tris-HCl buffer (pH 7.5), 100mM NaCl, 5mM DTT and 10% Glycerol.		

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.

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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Background

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.

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