

DnaJ E.Coli

Description: 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.

Catalog #: HYP5-014

Synonyms: HSP-40, HSP40, DnaJ, DNAJB1, HSPF1, Hdj1, Chaperone protein dnaJ, Heat shock protein J, groP, b0015, JW0014.

For research use only.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MAKQDYIEIL GVSKTAEHE IRKAYKRLAM KYHPDRNQGD
KEAEAKFKEI KEAYEVLTDQKRAAYDQYG HAAFEQGGMG GGGFGGGADF SDIFGDVFGD
IFGGGRGRQR AARGADLRYNMELTLEEAVR GVTKEIRIPT LEECDVCHGS GAKPGTQPQT
CPTCHGSGQV QMRQGFFAVQQTCPHCQGRG TLIKDPCKNC HGHGRVERSK TLSVKIPAGV
DTGDRIRLAG EGEAG

Purity: Greater than 95.0% as determined 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°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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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 cysteine rich CR-domain, C-terminal CTD-domain and they are conserved to various degrees among the homologues.

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