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32-5307: Recombinant E.Coli Dnak Substrate Binding Domain

Alternative Name : HSP-70,HSP70,DnaK,Chaperone protein dnaK,Heat shock protein 70,Heat shock 70 kDa protein,groP,grpF,seg,b0014,JW0013.

Description

Source : Escherichia Coli. Recombinant DnaK Substrate Binding domain produced in E.Coli is a single, non-glycosylated polypeptide chain containing 132 amino acids and having a molecular mass of 14.6 kDa. DnaK, originally identified for its DNA replication by bacteriophage l in E. coli is the bacterial hsp70 chaperone. This protein is involved in the folding and assembly of newly synthesized polypeptide chains and in preventing the aggregation of stress-denatured proteins. Dnak(residues 508-638) of the substrate binding domain is a-helical and appears to act as a lid covering the substrate binding cleft. DnaK(amino acid 508-638) was purified to apparent homogeneity by using conventional column chromatography techniques. Additional amino acid (Met) is attached at N- terminus.

Product Info

Amount :	100 µg
Purification :	Greater than 95.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	The protein contains 25mM Tris-HCl, pH7.5, 100mM NaCl, 5mM DTT and 10%Glycerol.
Storage condition :	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.
Amino Acid :	MNEDEIQKMV RDAEANAEAD RKFEELVQTR NQGDHLLHST RKQVEEAGDK LPADDKTAIESALTALETAL KGEDKAAIEA KMQELAQVSQ KLMEIAQQQH AQQQTAGADASANNAKDDDVVDAEFEEVKDKK.