

32-5302: Recombinant E.Coli DnaK (HSP70)

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 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 638 amino acids and having a molecular mass of 69 kDa. DnaK, originally identified for its DNA replication by bacteriophage I 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.

Product Info

Amount : 50 µg

Purification : Greater than 95.0% as determined by SDS-PAGE.

Content : The DnaK protein contains 25mM Tris-HCl buffer (pH 7.5), 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 : MGKIIIGIDLG TTNSCVAIMD GTTPRVLENA EGDRTTPSII AYTQDGETLV
GQPAKRQAVTNPQNTLFAIK RLIGRRFQDE EVQRDVSIMP FKIIAADNGD AWVEVKGQKM
APPQISAEVLKMKKTAEDY LGPEVTEAVI TVPAYFNDAQ RQATKDAGRI
AGLEVKRIINEPTAAALAYGLDKGTGNRTI AVYDLGGGTFDISIIEIDEV DGEKTFEFLA
TNGDTHLGGE DFDSRLINYLVEEFKKDQGI DLRNDPLAMQ RLKEAAEKAK IELSSAQQTD
VNLPIYITADA TGPKHMNIKVTRAKLESLVE DLVNRSEIPL KVALQDAGLS VSDIDDVILV
GGQTRMPMVQ KKVAEFFGKEPRKDVNPDEA VAIGAAVQGG VLTGDVKDVL LLDVTPLSLG
IETMGGVMTT LIAKNNTIPTKHSQVFSTAE DNQSAVTIHV LQGERKRAAD NKSLGQFNLD
GINPAPRGMPQIEVTFDIDADGILHVSAD KNSGKEQKITIKASSGLNED EIQKMVRDAE
ANAEADRFKE ELVQTRNQGDHLLHSTRKQV EEAGDKLPAD DKTAIESALT ALETALKGED
KAAIEAKMQE LAQVSQKLMEIAQQQHAQQQ TAGADASANN AKDDDVVDAE FEEVKDKK.

