

dnaK

Recombinant *E. coli* DnaK

Catalog No.	CRD117A CRD117B CRD117C	Quantity:	10 µg 50 µg 1.0 mg
Alternate Names:	ECK0014, JW0013, groPAB, groPC, groPF, grpC, grpF, seg		
Description:	<p>Recombinant DnaK produced in <i>E. coli</i> is a single, non-glycosylated polypeptide chain containing 638 amino acids.</p> <p>DnaK, originally identified for its DNA replication by bacteriophage I in <i>E. coli</i> 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.</p>		
Gene ID:	944750		
Source:	<i>E. coli</i>		
Molecular Mass:	69 kDa		
Formulation:	The DnaK protein contains 25 mM Tris-HCl buffer (pH 7.5) + 100 mM NaCl + 5 mM DTT and 10% Glycerol.		
Purity:	Greater than 95.0% as determined by SDS-PAGE.		
Physical Appearance:	Sterile filtered colorless solution.		
Amino Acid Sequence:	<p>MGKIIGIDLG TTNSCVAIMD GTTPRVLENA EGDRTTPSII AYTQDGETLV GQPAKRQAVT NPQNTLFAIK RLIGRRFQDE EVQRDVSI MP FKIIAADNGD AWVEVKGQKM APPQISAEVL KKMKKTAEDY LGEPVTEAVI TVPAYFNDAQ RQATKDAGRI AGLEVKRIIN EPTAAALAYG LDKGTGNRTI AVYDLGGGTF DISIIEIDEV DGEKTFEVL TNGDTHLGGE DFDSRLINYL VEEFKKQDGI DLRNDPLAMQ RLKEAAEKAK IELSSAQQTD VNLPHYITADA TGPKHMNIKV TRAKLESLVE DLVNRSIEPL KVALQDAGLS VSDIDDVILV GGQTRMPMVQ KKVAEFFGKE PRKDVNPDEA VAIGAAVQGG VLTGDVKDVL LLDVTPLSLG IETMGGVMTT LIAKNTTIPT KHSQVFSTAE DNQSAVTIHV LQGERKRAAD NKSLGQFNLD GINPAPRGMP QIEVTFDIDA DGILHVS AKD KNSGKEQKIT IKASSGLNED</p>		
Storage & Stability:	<p>Store at 4°C if entire vial will be used within 2-4 weeks.</p> <p>Store, frozen at -20°C for longer periods of time.</p> <p>For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).</p> <p>Avoid multiple freeze-thaw cycles.</p>		

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