9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

DnaK E.coli

DnaK (HSP70) E.Coli Recombinant
RCP0666

Product Overview

Name	DnaK E.coli
Description	
DnaK (HSP70) E.Coli Recombinant	
Accession (Primary)	P0A6Y8
Synonyms	
HSP-70, HSP70, DnaK, , Chaperone protein dnaK, Heat shock protein 70, Heat shock 70 kDa protein, groP, grpF, seg, b0014, JW0013.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
The DnaK protein 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.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGKIIGIDLG TTNSCVAIMD GTTPRVLENA EGDRTTPSII AYTQDGETLV GQPAKRQAVTNPQNTLFAIK RLIGRRFQDE EVQRDVSIMP FKIIAADNGD AWVEVKGQKM APPQISAEVLKKMKKTAEDY LGEPVTEAVI TVPAYFNDAQ RQATKDAGRI AGLEVKRIINEPTAAALAYGLDKGTGNRTI AVYDLGGGTFDISIIEIDEV DGEKTFEVLA TNGDTHLGGE DFDSRLINYLVEEFKKDQGI DLRNDPLAMQ RLKEAAEKAK IELSSAQQTD VNLPYITADA TGPKHMNIKVTRAKLESLVE DLVNRSIEPL KVALQDAGLS VSDIDDVILV GGQTRMPMVQ	

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KKVAEFFGKEPRKDVNPDEA VAIGAAVQGG VLTGDVKDVL LLDVTPLSLG IETMGGVMTT

LIAKNTTIPTKHSQVFSTAE DNQSAVTIHV LQGERKRAAD NKSLGQFNLD

GINPAPRGMPQIEVTFDIDADGILHVSAKD KNSGKEQKITIKASSGLNED EIQKMVRDAE ANAEADRKFE

ELVQTRNQGDHLLHSTRKQV EEAGDKLPAD DKTAIESALT ALETALKGED KAAIEAKMQE

LAQVSQKLMEIAQQQHAQQQ TAGADASANN AKDDDVVDAE FEEVKDKK.

Precautions

DnaK E.coli is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P0A6Y8)