9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-5303: Recombinant Myobacterium Tuberculosis DnaK (HSP70)

Alternative Name : HSP-70,HSP70,DnaK,Chaperone protein dnaK,Heat shock protein 70,Heat shock 70 kDa protein,HSP70,70 kDa antigen,ML2496.

Description

Source : Escherichia Coli. Recombinant Mycobacterium Tuberculosis Dnak produced in E.Coli is a single, non-glycosylated polypeptide chain containing 625 amino acids and having a molecular mass of 66.7 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.

Product Info

Amount :	10 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	The DnaK protein was lyophilized from a concentrated (1mg/ml) solution containing 10mM Na-phosphate buffer pH 7.4, 130mM NaCl and 2.5mM KCl.
Storage condition :	Lyophilized DnaK although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution DnaK should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Application Note

It is recommended to reconstitute the lyophilized DnaK in sterile 18MÃ□Â©-cm H2O not less than 100Ã□Âµg/ml, which can then be further diluted to other aqueous solutions.