ANGIO-PROTEOMIE
HIGH QUALITY REAGENTS FOR LIFE SCIENCES

DATA SHEET

DnaK (HSP70) Mycobacterium Tuberculosis Recombinant

Item Number	rAP-3429
Synonyms	HSP-70, HSP70, DnaK, Chaperone protein dnaK, Heat shock protein 70, Heat shock 70 kDa protein, HSP70, 70 kDa antigen, ML2496.
Description	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.
Uniprot Accesion Number	P19993
Amino Acid Sequence	
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	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. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized DnaK in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only