

# Mycobacterium Tuberculosis DnaK Recombinant Protein



RPPB5938

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## Product Information Protein Information

**Product SKU:**

RPPB5938

**Accession:**

P19993

**Host:**

Escherichia Coli.

**Protein 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.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

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

**Formulation:**

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.

**Purity:**

Greater than 95.0% as determined by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized DnaK in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

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.