

Cat # RP-628      Recombinant Myobacterium Tuberculosis Heat Shock Protein 70      **Size:**  2 ug       10 ug

**Synonyms:**

HSP-70, HSP70, DnaK.

**Introduction:**

DnaK, originally identified for its DNA replication by bacteriophage I 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.

**Description:**

Recombinant 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.

**Source:**

Escherichia Coli.

**Physical Appearance:**

Sterile filtered colorless solution.

**Formulation:**

The DnaK protein was lyophilized from a concentrated (1mg/ml) solution containing 10mM sodium phosphate buffer pH 7.4, 130mM sodium chloride and 2.5mM KCl.

**Purity:**

Greater than 95.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

**Usage:**

This item is for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals. If supplied in powder then reconstitute it in 100 ul water for 1 mg/ml stock and store in liquid at 4°C for ~1 week or aliquots in suitable size and store at -20°C for long term storage.

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