

RP10135LQ

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# Recombinant Human Heat shock 70 kDa protein 1A/HSP70 protein

Catalog No.: RP10135LQ **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
E. coli	3303	P0DMV8

**Tags**  
No Tag

**Synonyms**  
HSPA1A;HEL-S-103;HSP70-1;HSP70-1A;HSP70.1;HSP70I;HSP72;HSPA1;HSP70

## Product Information

Source	Purification
E. coli	~90% by SDS-PAGE

**Endotoxin**

**Formulation**  
20 mM Tris, 150 mM NaCl, 2 mM  $\beta$ ME, 10% Glycerol

**Reconstitution**

## Background

HSP70 a critical chaperone protein that has a high affinity for unfolded polypeptide chains. It binds extended peptide segments with a net hydrophobic character exposed by polypeptides during translation and membrane translocation, or following stress-induced damage. In cooperation with other chaperones, Hsp70 stabilizes preexistent proteins against aggregation and mediates the folding of newly translated polypeptides in the cytosol as well as within organelles. Hsp70 and Hsp40 recruit some misfolded proteins to the ubiquitin E3 ligase CHIP for ubiquitination.

## Basic Information

**Description**

**Bio-Activity**

**Storage**

Store at -70°C. This product is stable at  $\leq -70^\circ\text{C}$  for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

## Contact



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