

Recombinant Human HSPA1B

Cat. No. HSPA1B-29402TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Hsp70, MWt 70kDa.
Species	Human
Source	E.coli
Description	This intronless gene encodes a 70kDa heat shock protein which is a member of the heat shock protein 70 family. In conjunction with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates the folding of newly translated proteins in the cytosol and in organelles. It is also involved in the ubiquitin-proteasome pathway through interaction with the AU-rich element RNA-binding protein 1. The gene is located in the major histocompatibility complex class III region, in a cluster with two closely related genes which encode similar proteins.
Tissue specificity	HSPA1B is testis-specific.
Biological activity	ATPase assay: positive
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 1X Dulbeccos PBS
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

cycles.

**Sequence
Similarities**

Belongs to the heat shock protein 70 family.

Full Length

Full L.

GENE INFORMATION

Gene Name

HSPA1B heat shock 70kDa protein 1B [Homo sapiens]

Official Symbol

HSPA1B

Synonyms

HSPA1B; heat shock 70kDa protein 1B; heat shock 70kD protein 1B; heat shock 70 kDa protein 1A/1B; HSP70 2;

Gene ID

3304

mRNA Refseq

NM_005346

Protein Refseq

NP_005337

MIM

603012

Uniprot ID

P08107

**Chromosome
Location**

6p21.3

Pathway

Androgen Receptor Signaling Pathway, organism-specific biosystem; Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Apoptosis Modulation by HSP70, organism-

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

specific biosystem; Destabilization of mRNA by AUF1 (hnRNP D0), organism-specific biosystem;

Function

ATP binding; nucleotide binding; protein N-terminus binding; protein binding; protein binding involved in protein folding;

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA