

## Recombinant Human HSPA1L

**Cat. No.** HSPA1L-27084TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human HSPA1L with N terminal proprietary tag, 96.58 kDa.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	641 amino acids
<b>Description</b>	This gene encodes a 70kDa heat shock protein. 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. The gene is located in the major histocompatibility complex class III region, in a cluster with two closely related genes which also encode isoforms of the 70kDa heat shock protein.
<b>Molecular Weight</b>	96.580kDa inclusive of tags
<b>Tissue specificity</b>	Expressed in spermatids.
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification
<b>Storage buffer</b>	pH: 8.00 Constituents: 0.79% Tris HCl, 0.3% Glutathione
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

**Sequences of amino acids**

MATAKGIAIGIDLGTTYSCVGVFQHGKVEIANDQGNRTT PSYVAFTDTERLIGDAAK  
 NQVAMNPQNTVFDKRLIGRKF NDPVVQADMKLWPFQVINEGGKPKVLVSYKGEN  
 KAFYPEE ISSMVLTKLKETAFLGHPVTNAVITVPAYFNDSQRQAT KDAGVIAGLN  
 VLRIINEPTAAAIAYGLDKGGQGERHVLIF DLGGGTFDVSILTIDDGIFEVKATAGDTH  
 LGGEDFDNRLV SHFVEEFKRKHKKDISQNKRAVRRRLRTACERAKRTLSSST QANLE  
 IDSLYEGIDFYTSITRARFEELCADLFRGTLEPVE KALRDAKMDKAKIHDIVLVGGSTR  
 IPKVQRLLQDYFNDRD LNKSINPDEAVAYGAAVQAAILMGDKSEKVQDLLLLDVAP L  
 SLGLETAGGVMTALMKRNSTIPTKQTQIFTTYSDNQPGV LIQVYEGERAMTKDNNLL  
 GRFDLTGIPPAPRGVVPQIEVTF DIDANGILNVTAMDKSTGKVNKITIANDKGRLSKEEI  
 ERM VLDAEKYKAEDDEVQREKIAAKNALESYAFNMKSVVSDEGL KGKISESDKNKIL  
 DKCNELLSWLEVNQLAEKDEFDHKRKE LEQMCNPIITKLYQGGCTGPACGTGYVP  
 GRPATGPTIEEV D

**Sequence Similarities**

Belongs to the heat shock protein 70 family.

## GENE INFORMATION

**Gene Name** [HSPA1L heat shock 70kDa protein 1-like \[ Homo sapiens \]](#)

**Official Symbol** [HSPA1L](#)

**Synonyms** HSPA1L; heat shock 70kDa protein 1-like; heat shock 70kD protein like 1; heat shock 70 kDa protein 1-like; HSP70 HOM; hum70t;

**Gene ID** [3305](#)

**mRNA Refseq** [NM\\_005527](#)

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<b>Protein Refseq</b>	NP_005518
<b>MIM</b>	140559
<b>Uniprot ID</b>	P34931
<b>Chromosome Location</b>	6p21.3
<b>Pathway</b>	Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; Influenza A, organism-specific biosystem;
<b>Function</b>	ATP binding; nucleotide binding;

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