

Recombinant Human HSPA1L

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

SPECIFICATION

Product Overview	Recombinant full length Human HSPA1L with N terminal proprietary tag, 96.58 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	641 amino acids
Description	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.
Molecular Weight	96.580kDa inclusive of tags
Tissue specificity	Expressed in spermatids.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.79% Tris HCl, 0.3% Glutathione
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.

Sequences of amino acids

MATAKGIAIGIDLGTTYSCVGVFQHGKVEIIANDQGNRTT PSYVAFTDTERLIGDAAK
 NQVAMNPQNTVFDKRLIGRKF NDPVVQADMKLWPFQVINEGGKPKVLVSYKGEN
 KAFYPEE ISSMVLTKLKETAFLGHPVTNAVITVPAYFNDSQRQAT KDAGVIAGLN
 VLRIINEPTAAAIAYGLDKGGQGERHVLIF DLGGGTFDVSILTIDDGIFEVKATAGDTH
 LGGEDFDNRLV SHFVEEFKRKHKKDISQNKRAVRLRTACERAKRTLSSST QANLE
 IDSLYEGIDFYTSITRARFEELCADLFRGTLEPVE KALRDAKMDKAKIHDIVLVGGSTR
 IPKVQRLLQDYFNDRD LNKSINPDEAVAYGAAVQAAILMGDKSEKVQDLLLLDVAP L
 SLGLETAGGVM TALMKRNSTIPTKQTQIFTTYSNQPVG LIQVYEGERAMTKDNNLL
 GRFDLTGIPPAPRGVPQIEVTF DIDANGILNVTAMDKSTGKVNKITIANDKGRLSKEEI
 ERM VLDAEKYKADEVQREKIAAKNALESYAFNMKS SVSDEGL 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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Protein Refseq	NP_005518
MIM	140559
Uniprot ID	P34931
Chromosome Location	6p21.3
Pathway	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;
Function	ATP binding; nucleotide binding;

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