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: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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	cycles.
Sequences of amino acids	MATAKGIAIGIDLGTTYSCVGVFQHGKVEIIANDQGNRTT PSYVAFTDTERLIGDAAK NQVAMNPQNTVFDAKRLIGRKF NDPVVQADMKLWPFQVINEGGKPKVLVSYKGEN KAFYPEE ISSMVLTKLKETAEAFLGHPVTNAVITVPAYFNDSQRQAT KDAGVIAGLN VLRIINEPTAAAIAYGLDKGGQGERHVLIF DLGGGTFDVSILTIDDGIFEVKATAGDTH LGGEDFDNRLV SHFVEEFKRKHKKDISQNKRAVRRLRTACERAKRTLSSST QANLE IDSLYEGIDFYTSITRARFEELCADLFRGTLEPVE KALRDAKMDKAKIHDIVLVGGSTR IPKVQRLLQDYFNGRD LNKSINPDEAVAYGAAVQAAILMGDKSEKVQDLLLLDVAP L SLGLETAGGVMTALMKRNSTIPTKQTQIFTTYSDNQPGV LIQVYEGERAMTKDNNLL GRFDLTGIPPAPRGVPQIEVTF DIDANGILNVTAMDKSTGKVNKITIANDKGRLSKEEI ERM VLDAEKYKAEDEVQREKIAAKNALESYAFNMKSVVSDEGL 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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