

# Recombinant Full Length Human HSPA1L Protein, GST-tagged

**Cat. No.** HSPA1L-3814HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human HSPA1L full-length ORF ( AAH34483.1, 1 a.a. - 641 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <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. [provided by RefSeq] |
| <b>Molecular Mass</b>   | 96.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | MATAKGIAIGIDLGTTYSCVGVFQHGKVEIIANDQGNRTTPSYVAFTDTERLIGDAAK<br>NQVAMNPQNTVFDKRLIGRKFNPDVQADMKLWPFQVINEGGKPKVLVSYKGEN<br>KAFYPEEISSMVLTKLKETAFLGHPVTNAVITVPAYFNDSQRQATKDAGVIAGLNV<br>LRIINEPTAAAIAYGLDKGGQGERHVLIFDLGGGTFDVSILTIDDGIFEVKATAGDTHLG<br>GEDFDNRLVSHFVEEFKRKHKKDISQNKRAVRRRLRTACERAKRTLSSSTQANLEIDS<br>LYEGIDFYTSITRARFEELCADLFRGTLEPVEKALRDAKMDKAKIHDIVLVGGSTRIPK<br>VQRLQDYFNDRDLNKSINPDEAVAYGAAVQAAILMGDKSEKVQDLLLLDVAPLSLG                      |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

LETAGGVMTALMKRNSTIPTKQTQIFTTYSNQPVGVLQVYEGERAMTKDNNLLGRF  
DLTGIPPAPRGVPQIEVTFDIDANGILNVTAMDKSTGKVNKITIANDKGRLSKEEIERM  
VLDAEKYKAEDDEVQREKIAAKNALESYAFNMKSVVSDEGLKGKISESDKNKILDKCN  
ELLSWLEVNQLAEKDEFDHKRKELEQMCNPIITKLYQGGCTGPACGTGYVPGRPAT  
GPTIEEVD

**Applications**

Enzyme-linked Immunoabsorbent Assay  
Western Blot (Recombinant protein)  
Antibody Production  
Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## 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; heat shock 70 kDa protein 1L; heat shock 70kD protein-like 1; heat shock 10kDa protein 1-like; heat shock 70 kDa protein 1-Hom; HSP70T; HSP70-1L; HSP70-HOM;

**Gene ID**

[3305](#)

**mRNA Refseq**

[NM\\_005527](#)

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|                |           |
|----------------|-----------|
| Protein Refseq | NP_005518 |
| MIM            | 140559    |
| UniProt ID     | P34931    |

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