

Recombinant Human HSPA1L 293 Cell Lysate

Cat. No. HSPA1L-5356HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for heat shock 70kDa protein 1-like (HSPA1L) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

 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

Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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

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

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biosystem; Influenza A, conserved biosystem; Legionellosis, organism-specific biosystem;

Function

ATP binding; nucleotide binding;

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