



# Recombinant Human Heat shock 70 kDa protein 1-like (HSPA1L)

<b>Product Code</b>	CSB-EP010823HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P34931
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MATAKGIAIG IDLGTTYSCV GVFQHGKVEI IANDQGNRTT PSYVAFTDTE RLIGDAAKNQ VAMNPQNTVF DAKRLIGRKF NDPVVQADMK LWPVFQVINEG GKPKVLVSYK GENKAFYPEE ISSMVLTKLK ETAEAFGLGHP VTNAVITVPA YFNDSQRQAT KDAGVIAGLN VLRIINEPTA AAIAYGLDKG GQGERHVLIF DLGGGTFDVS ILTIDDGIFE VKATAGDTHL GGEDFDNRLV SHFVEEFKRK HKKDISQNKR AVRRLRTACE RAKRTLSSST QANLEIDSLY EGIDFYTSIT RARFEELCAD LFRGTLEPVE KALRDAKMDK AKIHDIVLVG GSTRIPKVQR LLQDYFNDRD LNKSINPDEA VAYGAAVQAA ILMGDKSEKV QDLLLLDVAP LSLGLLETAGG VMTALIKRNS TIPTKQTQIF TTYSDNQPGV LIQVYEGERA MTKDNLLGR FDLTGIPPAP RGVPQIEVTF DIDANGILNV TATDKSTGKV NKITITNDKG RLSKEEIERM VLDAEKYKAE DEVQREKIAA KNALESYAFN MKSIVSDEGL KGKISESDKN KILDKCNELL SWLEVNQLAE KDEFDHKRKE LEQMCNPIIT KLYQGGCTGP ACGTGYVPGR PATGPTIEEV D
<b>Source</b>	E.coli
<b>Target Names</b>	HSPA1L
<b>Protein Names</b>	Recommended name: Heat shock 70 kDa protein 1-like Short name= Heat shock 70 kDa protein 1L Alternative name(s): Heat shock 70 kDa protein 1-Hom Short name= HSP70-Hom
<b>Expression Region</b>	1-641
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</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>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.