Recombinant Heat Shock 70kDa Protein 1 Like Protein (HSPA1L) Instruction Manual

SIPB041Ra01

Rattus norvegicus (Rat)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Membrane, Nucleus, Cytoplasm
Predicted Molecular Mass	72.1kDa
Accurate Molecular Mass	44&70kDa(Analysis of differences refer to the manual)
Residues & Tags	Met1~Asp641 with N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 97%
Isoelectric Point	6.1
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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MAANKGMAIG IDLGTTYSCV GVFQHGKVEI IANDQGNRTT PSYVAFTDTE
RLIGDAAKNQ VAMNPQNTVF DAKRLIGRKF NDPVVQSDMK LWPFQVINEA
GKPKVLVSYK GEKKAFYPEE ISSMVLTKMK ETAEAFLGHS VTNAVITVPA
YFNDSQRQAT KDAGVIAGLN VLRIINEPTA AAIAYGLDKG SHGERHVLIF
DLGGGTFDVS ILTIDDGIFE VKATAGDTHL GGEDFDNRLV SHFVEEFKRK
HKKDISQNKR AVRRLRTACE RAKRTLSSST QANLEIDSLY EGIDFYTSIT
RARFEELCAD LFRGTLEPVE KSLRDAKMDK AKIHDIVLVG GSTRIPKVQK
LLQDYFNGRD LNKSINPDEA VAYGAAVQAA ILMGDKSEKV QDLLLLDVAP
LSLGLETAGG VMTVLIKRNS TIPTKQTQIF TTYSDNQPGV LIQVYEGERA
MTRDNNLLGR FDLTGIPPAP RGVPQIEVTF DIDANGILNV TAMDKSTGKA
NKITITNDKG RLSKEEIERM VQEAERYKAE DEGQREKIAA KNALESYAFN
MKSAVGDEGL KDKISESDKK KILDKCSEVL SWLEANQLAE KEEFDHKRKE
LENMCNPIIT KLYQSGCTGP TCAPGYTPGR AATGPTIEEV D
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USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
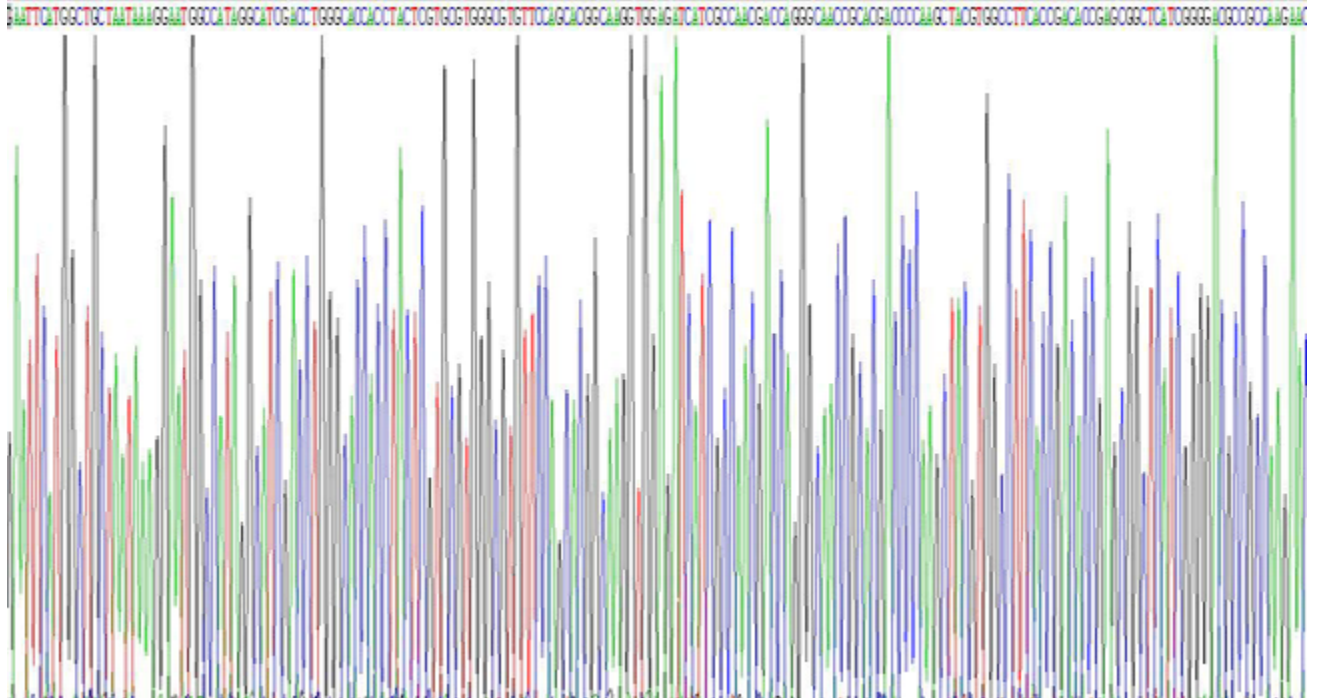
Image

Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.