

Recombinant Heat Shock 70kDa Protein 5 (HSPA5) Instruction Manual

SIPC514Mu02

Mus musculus (Mouse)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Cytoplasm, Endoplasmic reticulum lumen
Predicted Molecular Mass	96.5kDa
Accurate Molecular Mass	97kDa(Analysis of differences refer to the manual)
Residues & Tags	Glu20~Leu655 with N-terminal GST Tag
Buffer Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	4.7
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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          E EEDKKEDVGT VVGIDLGTTY SCVGVFKNGR
VEIIANDQGN RITPSYVAFT PEGERLIGDA AKNQLTSNPE NTVFDAKRLI
GRTWNDPSVQ QDIKFLPFKV VEKKTTPYIQ VDIGGGQTKT FAPEEISAMV
LTKMKETAEA YLGKKVTHAV VVTPAYFNDA QRQATKDAGT IAGLNMRII
NEPTAAAIAY GLDKREGEKN ILVFDLGGGT FDSLLTIDN GVFEVVATNG
DTHLGGEDFD QRVMEHFIKL YKKKTGKDVR KDNRAVQKLR REVEKAKRAL
SSQHQAIEI ESFFEGEDFS ETLTRAKFEE LNMDFRSTM KPVQKVLEDS
DLKKSIDEI VLVGGSTRIP KIQQLVKEFF NGKEPSRGIN PDEAVAYGAA
VQAGVLSGDQ DTGDLVLLDV CPLTLGIETV GGVMTKLIPR NTVVPTKKSQ
IFSTASDNQP TVTIKVYEGE RPLTKDNHLL GTFDLTGIPP APRGVPQIEV
TFEIDVNGIL RVTAEDKGTG NKNKITITND QNRLTPEEIE RMVNDAEKFA
EEDKKLKERI DTRNELESYA YSLKNQIGDK EKLGGKLSSE DKETMEKAVE
EKIEWLESHQ DADIEDFKAK KKELEEIVQP IISKLYGSGG PPPTGEEDTS
EKDEL
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USAGE

Reconstitute in 10mM PBS (pH7.4) 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

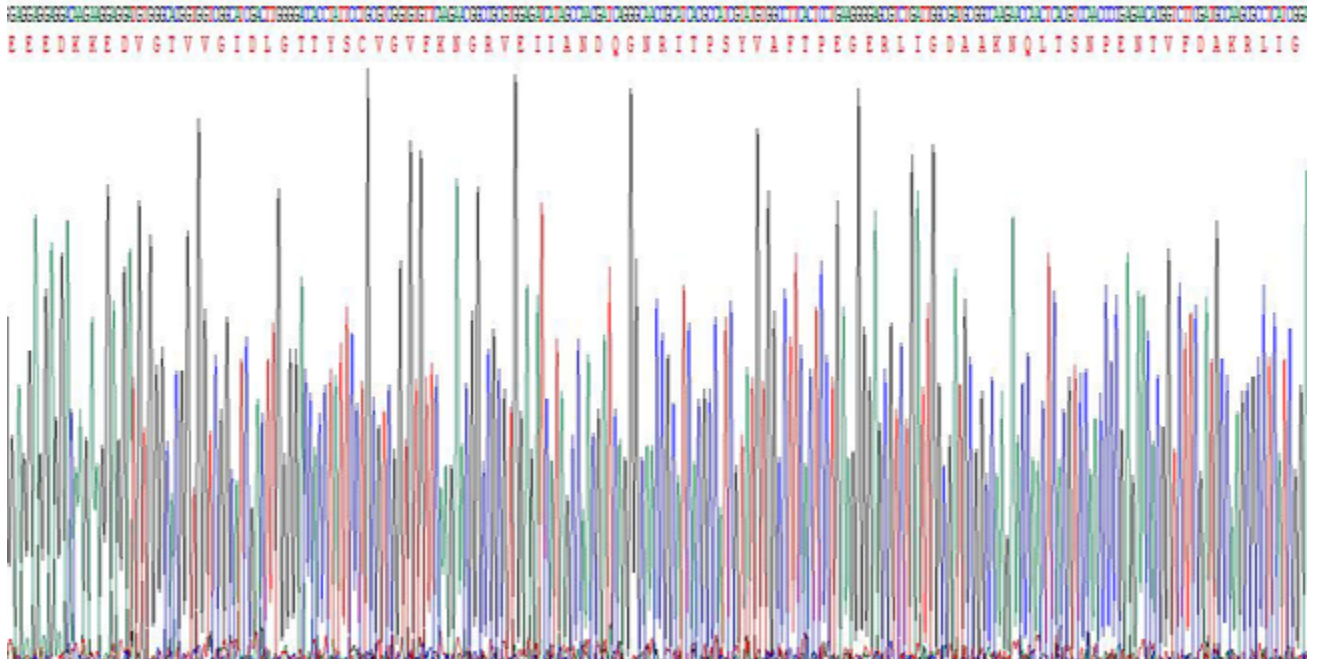


Figure. SDS-PAGE

[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.