

Recombinant Heat Shock Protein 47 (HSP47) Instruction Manual

SIPA509Hu01

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Endoplasmic reticulum lumen
Predicted Molecular Mass	47.4kDa
Accurate Molecular Mass	47kDa(Analysis of differences refer to the manual)
Residues & Tags	Pro30~Leu418 with N-terminal His Tag
Buffer Formulation	100mMNaHCO ₃ , 500mMNaCl, pH8.3, containing 0.01% SKL, 5% Trehalose.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	8.7
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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                P  GTAEKLSPKA  ATLAERSAGL
AFSLYQAMAK  DQAVENILVS  PVVVASSLGL  VSLGGKATTA  SQAKAVLSAE
QLRDEEVHAG  LGELLRSLSN  STARNVTWKL  GSRLYGPSSV  SFADDFVRSS
KQHYNCEHSK  INFRDKRSAL  QSINEWAAQT  TDGKLPVETK  DVERTDGALL
VNAMFFKPHW  DEKFHHKMVD  NRGFMVTRSY  TVGVMVMHRT  GLYNYYDDEK
EKLQIVEMPL  AHKLSSLIIL  MPHVEPLER  LEKLLTKEQL  KIWMGKMQKK
AVAISLPKGV  VEVTHDLQKH  LAGLGLTEAI  DKNKADLSRM  SGKKDLYLAS
VFHATAFELD  TDGNPFDDI  YGREELRSPK  LFYADHPFIF  LVRDTQSGSL
LFIGRLVRPK  GDKMRDEL
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USAGE

Reconstitute in ddH₂O 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

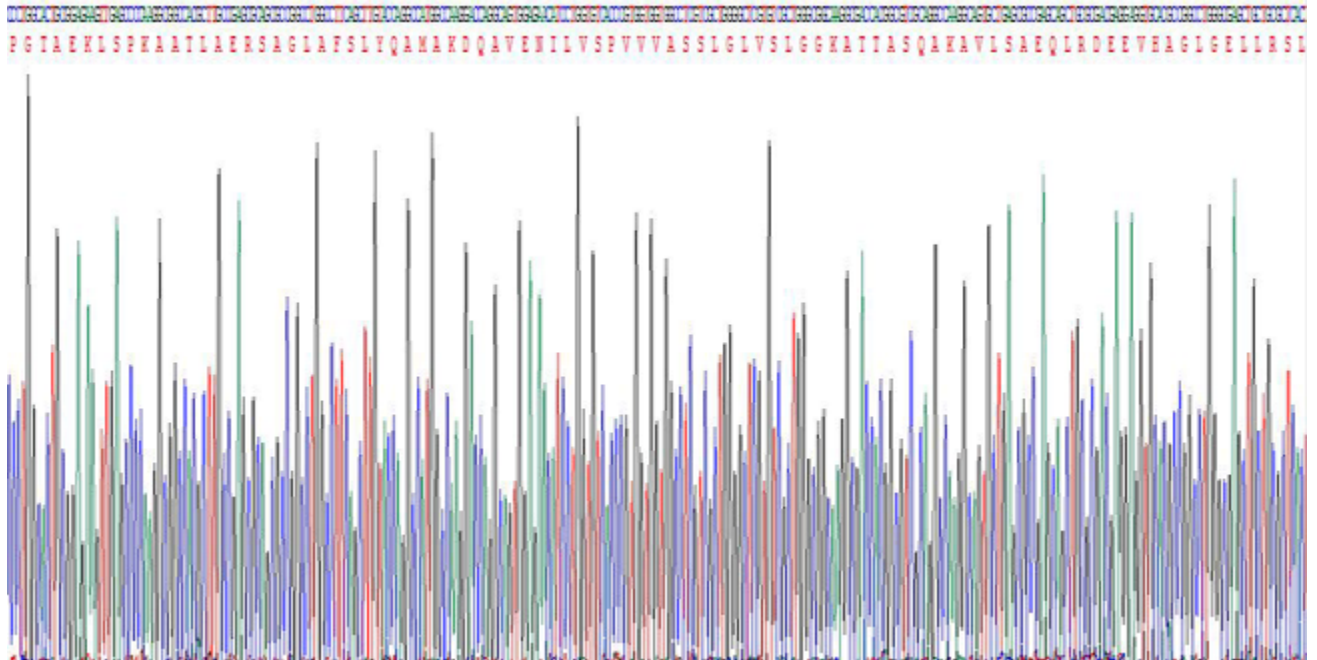


Figure. SDS-PAGE

[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.