

RPA266Hu01 10µg

Recombinant Heat Shock Protein 47 (HSP47)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[**PROPERTIES**]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Pro30~Leu418

Tags: N-terminal His Tag

Subcellular Location: Endoplasmic reticulum lumen

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: 100mMNaHCO₃, 500mMNaCl, pH8.3, containing 0.01% SKL, 5% Trehalose.

Original Concentration: 500µg/mL

Applications: Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 8.7

Predicted Molecular Mass: 47.4kDa

Accurate Molecular Mass: 47kDa as determined by SDS-PAGE reducing conditions.

[**USAGE**]

Reconstitute in ddH₂O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[**STORAGE AND STABILITY**]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: 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.

[**SEQUENCE**]

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P GTA EKLS PKA ATLAERSAGL
AFSLYQAMAK DQAVENILVS PVVVASSLGL VSLGGKATTA SQAKAVLSAE
QLRDEEVHAG LGELLRSLSN STARNVTWKL GSRLYGPSSV SFADDFVRSS
KQHYNCEHSK INFRDKRSAL QSINEWAAQT TDGKLPEVTK DVERTDGALL
VNAMFFKPHW DEKFHHKMVD NRGFMVTRSY TVGVMMHRT GLYNYDDEK
EKLQIVEMPL AHKLSSLIIL MPHVEPLER LEKLLTKEQL KIWMGKMQKK
AVAISLPKGV VEVTHDLQKH LAGLGLTEAI DKNKADLSRM SGKKDLYLAS
VFHATAFELD TDGNPFDQDI YGREELRSPK LFYADHPFIF LVRDTQSGSL
LFIGRLVRPK GDKMRDEL

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[IDENTIFICATION]

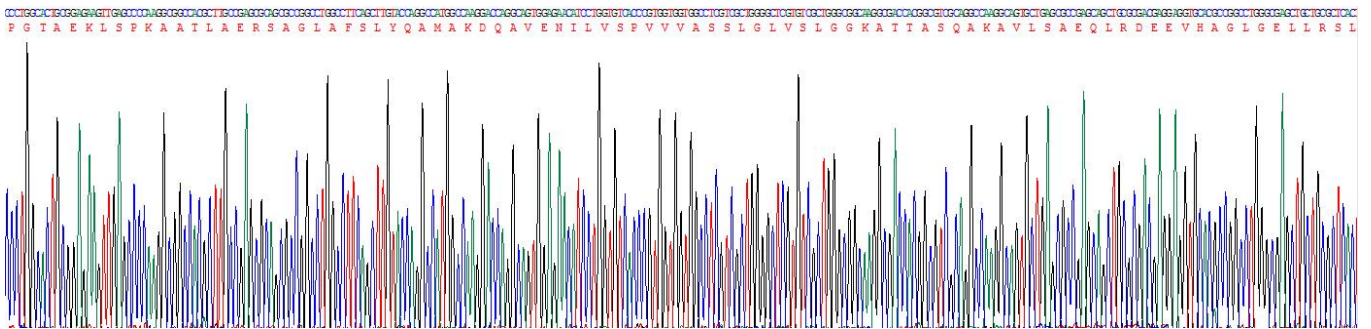


Figure. Gene Sequencing (Extract)

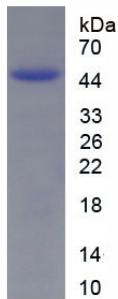


Figure. SDS-PAGE

[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.