

# Recombinant Heat Shock Protein 90kDa Alpha A1 (HSP90aA1) Instruction Manual

**SIPD136Hu01**

**Homo sapiens (Human)**

<b>Source</b>	Prokaryotic expression
<b>Host</b>	E.coli
<b>Endotoxin Level</b>	<1.0EU per 1µg (determined by the LAL method)
<b>Subcellular Location</b>	Cytoplasm
<b>Predicted Molecular Mass</b>	62.9kDa
<b>Accurate Molecular Mass</b>	72kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Met1~Gly496 linked with Ile698~Asp732 with N-terminal His Tag
<b>Buffer Formulation</b>	100mMNaHCO <sub>3</sub> , 500mMNaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
<b>Traits</b>	Freeze-dried powder
<b>Purity</b>	> 95%
<b>Isoelectric Point</b>	4.8
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

## SEQUENCE

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MPEETQTQDQ PMEEEEVETF AFQAEIAQLM SLIINTFYNS KEIFLRELIS  
NSSDALDKIR YESLTDPSKL DSGKELHINL IPNKQDRTL IVDTGIGMTK  
ADLINNLGTI AKSGTKAFME ALQAGADISM IGQFGVGFYS AYLVAEKVTV  
ITKHNDDEQY AWESSAGGSF TVRTDTGEPM GRGTKVILHL KEDQTEYLEE  
RRIKEIVKHH SQFIGYPITL FVEKERDKEV SDDEAEEKED KEEKEKEEEK  
ESEDKPEIED VGSDEEEEEK DGDKKKKKKI KEKYIDQEEL NKTPIWTRN  
PDDITNEEYG EFYKSLTNDW EDHLAVKHFS VEGQLEFRAL LFVPRRAPFD  
LFENRKKKNN IKLYVRRVFI MDNCEELIPE YLNFIRGVVD SEDLPLNISR  
EMLQQSKILK VIRKNLVKCC LELFTELAED KENYKKFYEQ FSKNIKLGIIH  
EDSQNRKKLS ELLRYYTSAS GDEMVS�KDY CTRMKENQKH IYYITGIDED  
DPTADDSAA VTEEMPPLEG DDDTSRMEEV D
```

## **USAGE**

Reconstitute in ddH<sub>2</sub>O 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**

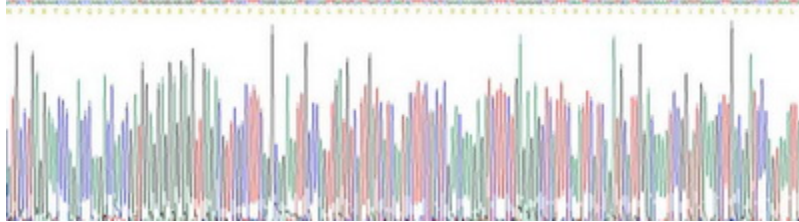


Figure. SDS-PAGE

## **[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.