

# Recombinant Asporin (ASPN) Instruction Manual

**SIPC301Hu01**

**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>	Secreted, Extracellular matrix
<b>Predicted Molecular Mass</b>	39.7kDa
<b>Accurate Molecular Mass</b>	40kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Phe57~Met371 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>	9.5
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

## SEQUENCE

```
FPTR EPRSHFFPFD LFPMCPFGCQ CYSRVVHCSD LGLTSVPTNI  
PFDTRMLDLQ NNKIKEIKEN DFKGLTSLYG LILNNKLTG IHPKAFLTTK  
KLRRLYLSHN QLSEIPLNLP KSLAELRIHE NKVKKIQKDT FKGMMALHVL  
EMSANPLDNN GIEPGAFEGV TVFHIRIAEA KLTSVPKGLP PTLLELHLDY  
NKISTVELED FKRYKELQRL GLGNNKITDI ENGLANIPR VREIHLENNK  
LKKIPSGLPE LKYLQIIFLH SNSIARVGVN DFCPTVPKMK KSLYSAISLF  
NNPVKYWEMQ PATFRCVLSR M
```

## 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

CGATCCCTTCCAGCAAGAGGCCAAGGCCATTTTTCCATTGGATCTGTTCCATGTGTCCATTGGATGTCAGTCTATTCAAGGTTGTACATTGCTCAGATTTAGGTGACCTCAGTCCCAOCCACATTCCATTGGACTCGAATGCTTGATC

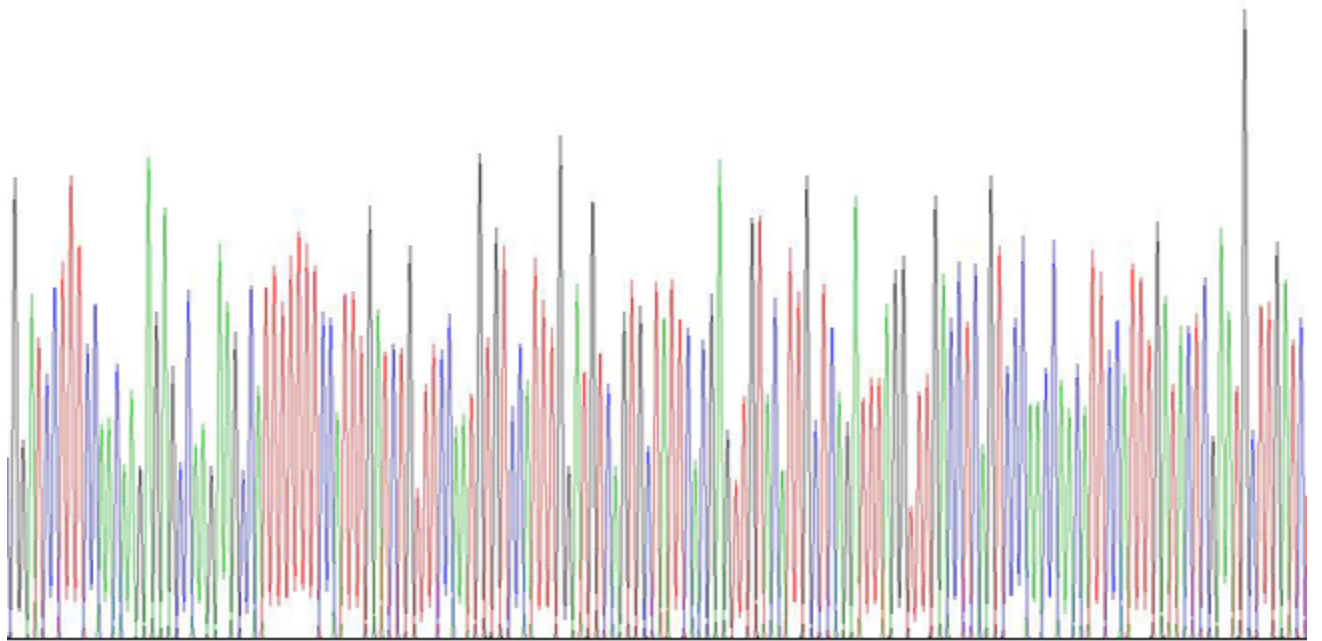
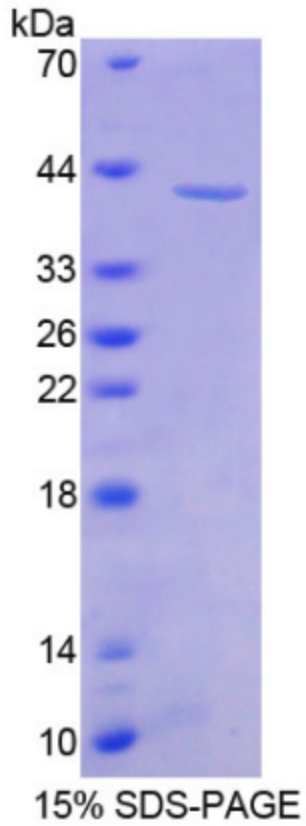


Figure . Gene Sequencing (extract)

## Image



SDS-PAGE Image

**[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.