

# Eukaryotic Bone Sialoprotein (BSP) Instruction Manual

## SFPB062Hu61

**Homo sapiens (Human)**

<b>Source</b>	Eukaryotic expression
<b>Host</b>	293F Cell
<b>Endotoxin Level</b>	<1.0EU per 1µg (determined by the LAL method)
<b>Subcellular Location</b>	Secreted
<b>Predicted Molecular Mass</b>	35.1kDa
<b>Accurate Molecular Mass</b>	66kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Phe17~Gln317 with N-terminal His Tag
<b>Buffer Formulation</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Traits</b>	Freeze-dried powder
<b>Purity</b>	> 90%
<b>Isoelectric Point</b>	4.1
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

## SEQUENCE

```
FSMK NLHRRVKIED SEENGVFKYR PRYYLYKHAY  
FYPHLKRFPV QGSSDSSEEN GDSSEEEEE EEETSNEGEN NEESNEDEDS  
EAENTTLSAT TLGYGEDATP GTGYTGLAAI QLPKKAGDIT NKATKEKESD  
EEEEEEEEEGN ENEESEAEVD ENEQINGTS TNSTEAENGN GSSGDNNGEE  
GEEESVTGAN AEDTTETGRQ GKGTSKTTTS PNGGFPTTP PQVYRTTSPP  
FGKTTTVEYE GEYEYTGANE YDNGYEIYES ENGEPRGDNY RAYEDEYSYF  
KGQGYDGYDG QNYHHQ
```

## 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**

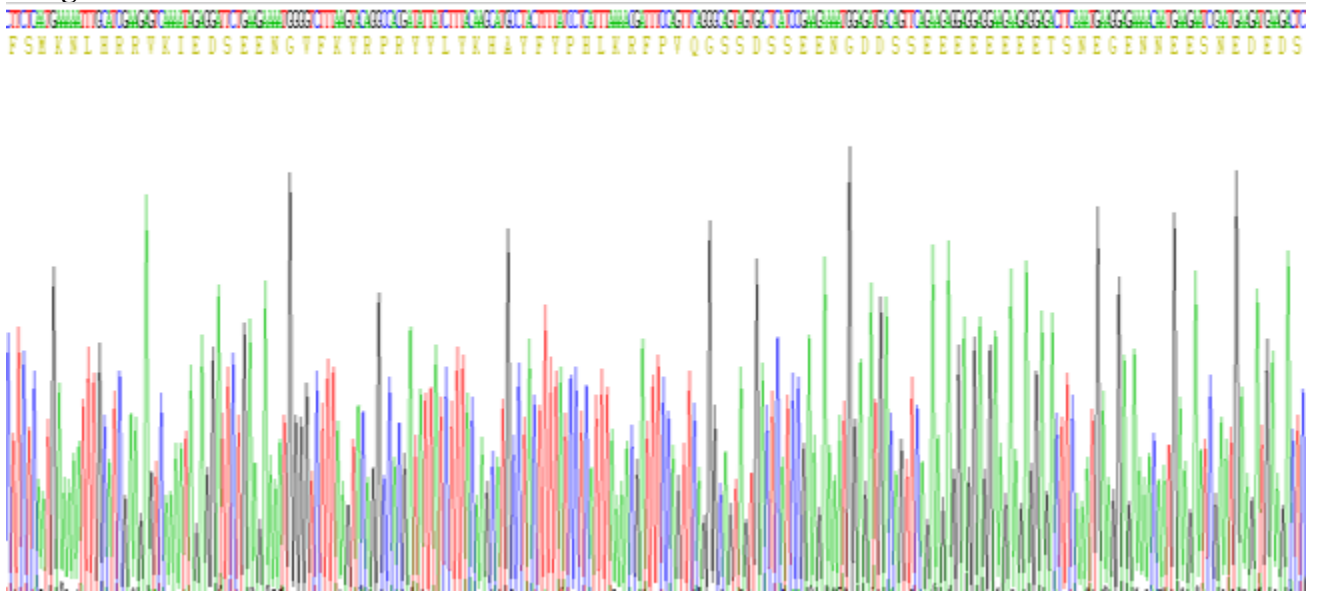


Figure. SDS-PAGE

## **[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.