

# Recombinant Proenkephalin (PENK) Instruction Manual

## SIPD123Hu01

### 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   |
| <b>Predicted Molecular Mass</b> | 31.9kDa  |
| <b>Accurate Molecular Mass</b>  | 35kDa(Analysis of differences refer to the manual) |
| <b>Residues &amp; Tags</b>      | Glu25~ Phe267 with N-terminal His Tag              |
| <b>Buffer Formulation</b>       | PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.    |
| <b>Traits</b>                   | Freeze-dried powder                                |
| <b>Purity</b>                   | > 90%  |
| <b>Isoelectric Point</b>        | 5.3  |
| <b>Applications</b>             | Positive Control; Immunogen; SDS-PAGE; WB.         |

### SEQUENCE

ECSQDC ATCSYRLVRP ADINFLACVM  
ECEGKLPSLK IWETCKELLQ LSKPELPQDG TSTLRENSKP EESHLLAKRY  
GGFMKRYGGF MKKMDELYPM EPEEEANGSE ILAKRYGGFM KKDAEEDDSL  
ANSSDLLKEL LETGDNRERS HHQDGSNNEE EVSKRYGGFM RGLKRSPQLE  
DEAKELQKRY GGFMRRVGRP EWWMDYQKRY GGFLKRFAEA LPSDEEGESY  
SKEVPEMEKR YGGFMRF

### USAGE

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

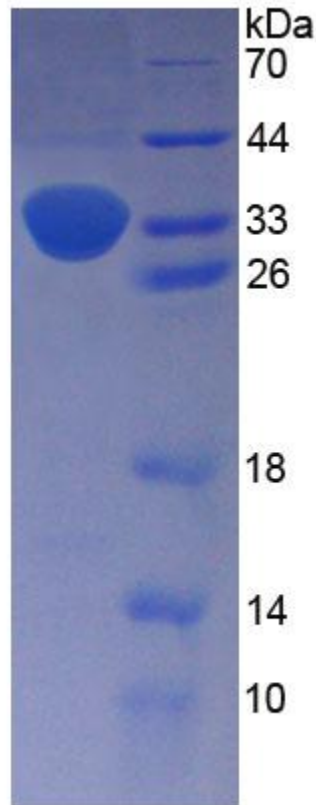
### STORAGE

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



15% SDS-PAGE

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.

