

# Recombinant Pigment Epithelium Derived Factor (PEDF) Instruction Manual

## SIPB374Mu01

### Mus musculus (Mouse)

<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>	51.1kDa
<b>Accurate Molecular Mass</b>	58kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Ser19~Thr417 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>	> 97%
<b>Isoelectric Point</b>	6.4
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

### SEQUENCE

```
SQ  NVPSSSEGSP  VPDSTGEPVE  EEDPFFKVPV
NKLAAAVSNF  GYDLYRLRSS  ASPTGNVLLS  PLSVATALSA  LSLGAEHRTE
SVIHRALYYD  LITNPDIHST  YKELLASVTA  PEKNLKSASR  IVFERKLRVK
SSFVAPLEKS  YGTRPRILTG  NPRVDLQEIN  NWWQAQMKGK  IARSTREMP
ALSILLGVA  YFKGQWVKF  DSRKTTLQDF  HLDEDRTVRV  PMMSDPKAIL
RYGLSDLNK  KIAQLPLTGS  MSIIFFLPLT  VTQNLTMIEE  SLTSEFIHDI
DRELKTIQAV  LTVPKLKLSF  EGELTKSLQD  MKLQSLFESP  DFSKITGKPV
KLTQVEHRAA  FEWNEEGAGS  SPSPLQPV  LTFPLDYHLN  QPFLFVLRDT
DTGALLFIGR  ILDPSSST
```

### USAGE

Reconstitute in 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

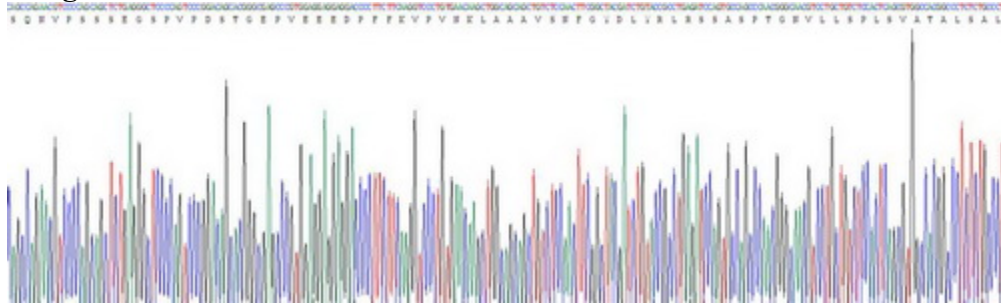


Figure. SDS-PAGE

## **[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.