

Recombinant Envelope Protein (E) Instruction Manual

SIPX298Ge01

Pan-species (General)

| | |
|---------------------------------|--|
| Source | Prokaryotic expression |
| Host | E.coli |
| Endotoxin Level | <1.0EU per 1µg (determined by the LAL method) |
| Subcellular Location | Secreted |
| Predicted Molecular Mass | 48.3kDa |
| Accurate Molecular Mass | 48kDa(Analysis of differences refer to the manual) |
| Residues & Tags | Ile1~Lys409 with N-terminal His Tag |
| Buffer Formulation | PBS, pH7.4, containing 0.01% SKL, 5% Trehalose. |
| Traits | Freeze-dried powder |
| Purity | > 95% |
| Isoelectric Point | 6.6 |
| Applications | Positive Control; Immunogen; SDS-PAGE; WB. |

SEQUENCE

```
IRCIGVSNRD FVEGMSGGTW VDVVLEHGGC VTMVAQDKPT VDIELVTTTV SNMAEVRSYC YEASISDMAS DSRCPTQGEA  
YLDKQSDTQY VCKRTLVD RG WNGCGFLGK GSLVTCAKFA CSKKMTGKSI QPENLEYRIM LSVHGSQHSG MIVNDTGHE  
DENRAKVEIT PNSPRAEATL GGFGLSLGDC EPRTGLDFSD LYYLTMNNKH WLVHKEWFHD IPLPWAGAD TGTPHWNKE  
ALVEFKDAHA KRQTVVVLGS QEGAVHTALA GALEAEMDGA KGRLSSGHLK CRLKMDKRLR KGVSYSLCTA AFTFTKIPAE  
TLHGTVTVEV QYAGTDGPCK VPAQMAVDMQ TLTPVGRLLIT ANPVITESTE NSKMMELEDP PFGDSYIVIG VGEKKITHHW  
HRSGSTIGK
```

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

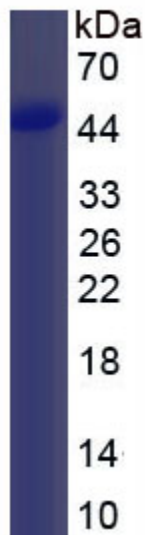


Figure. SDS-PAGE

[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.