# **Eukaryotic Prostate Specific Antigen (PSA) Instruction Manual**

# SFPA404Hu61

# Homo sapiens (Human)

**Source** Eukaryotic expression

Host 293F cell

Endotoxin Level <1.0EU per 1µg (determined by the LAL method)

Subcellular LocationSecretedPredicted Molecular Mass28.5kDa

Accurate Molecular Mass 35kDa(Analysis of differences refer to the manual)

**Residues & Tags** Ala18~Pro261 with N-terminal His Tag

Buffer Formulation PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5%

Trehalose and Proclin300.

**Traits** Freeze-dried powder

Purity > 97% Isoelectric Point 5.1

**Applications** Positive Control; Immunogen; SDS-PAGE; WB.

# **SEQUENCE**

APL ILSRIVGGWE CEKHSQPWQV LVASRGRAVC
GGVLVHPQWV LTAAHCIRNK SVILLGRHSL FHPEDTGQVF QVSHSFPHPL
YDMSLLKNRF LRPGDDSSHD LMLLRLSEPA ELTDAVKVMD LPTQEPALGT
TCYASGWGSI EPEEFLTPKK LQCVDLHVIS NDVCAQVHPQ KVTKFMLCAG
RWTGGKSTCS GDSGGPLVCN GVLQGITSWG SEPCALPERP SLYTKVVHYR
KWIKDTIVAN P

### **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**

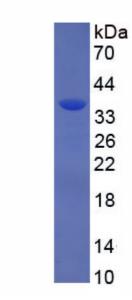


Figure. SDS-PAGE

# [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.