

# Recombinant Pepsinogen A (PGA)

## Instruction Manual

### SIPA601Ra01

#### Rattus norvegicus (Rat)

<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>	42.1kDa
<b>Accurate Molecular Mass</b>	40kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Leu16~Ala387 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>	5.6
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

#### SEQUENCE

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LVKIP LMKIKSMREN LRESHMLKDY LEKYPRRAH  
VLLQRRNPS VTYEPMRNYL DLVYIGTISI GTPPQEFKVV LDTGSSDLWV  
PSIYCSPAC AHHKVFNPLQ SSTFLVSGRP VNVAYGSGEM SGFLAYDTVK  
IGDLTVVAQA FGLSLEEPGR FMEHAVFDGI LGLGYPNLGL QGVTPVFDNL  
WIQGLIPQNL FAFYLSSKDE KGSVLMGGV DPSYYHGELH WVPVSKPSYW  
QLAVDSISMN GEIIACDGGC QGIMDTGTSL VTGPRSSILN IQNLIGAKAS  
GDGEYFLKCD TINTLPDIVF TIDSVTYPVP ASAYIRKDHS HNCRSNFEE  
TDDPSPELW VLGDVFLRLY FTVFDRANR IGLASAA
```

#### USAGE

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

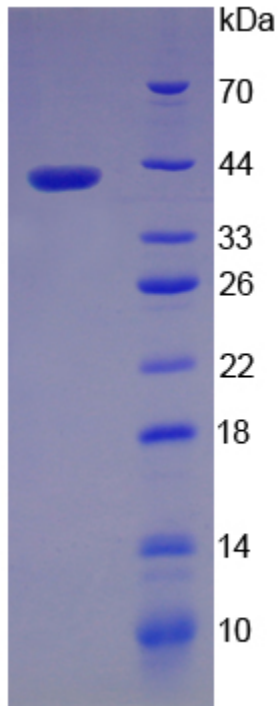
#### STORAGE

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.