

# Recombinant Complement Component 5 (C5) Instruction Manual

**SIPB372Hu01**

**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>	41.7kDa
<b>Accurate Molecular Mass</b>	42kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Gln19~Ser350 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>	> 95%
<b>Isoelectric Point</b>	5.0
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

## SEQUENCE

```
          QE QTYVISAPKI FRVGASENIV IQVYGYTEAF  
DATISIKSYP DKKFSYSSGH VHLSSENKFQ NSAILTIQPK QLPGGQNPVS  
YVYLEVSKH FSKSKRMPIT YDNGFLFIHT DKPVYTPDQS VKVRVYSLND  
DLKPAKRETV LTFIDPEGSE VDMVEEIDHI GIISFPDFKI PSNPRYGMWT  
IKAKYKEDFS TTGTAYFEVK EYVLPHFVS IEPEYNFIGY KNFKNFEITI  
KARYFYNKVV TEADVYITFG IREDLKDDQK EMMQTAMQNT MLINGIAQVT  
FDSETAVKEL SYYSLEDLNN KYLYIAVTVI ESTGGFSEEA EIPGIKYVLS
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## USAGE

Reconstitute in ddH<sub>2</sub>O to a concentration of 0.1-0.25 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

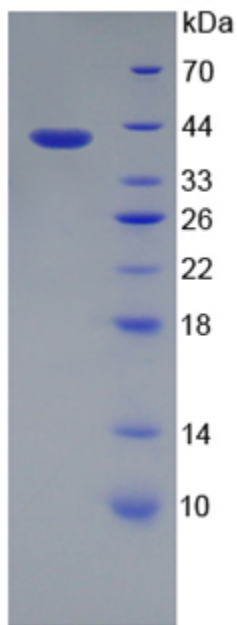


Figure. SDS-PAGE

## **[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.