

Recombinant Complement Component 5 (C5) Instruction Manual

SIPB372Hu02

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1 μ g (determined by the LAL method)
Subcellular Location	Secreted
Predicted Molecular Mass	55.2kDa
Accurate Molecular Mass	55kDa(Analysis of differences refer to the manual)
Residues & Tags	Ser1055~Asn1513 with N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 95%
Isoelectric Point	6.4
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

```
SIMSYR NADYSYSVWK GGSASTWLTA FALRVLGQVN KYVEQNQNSI  
CNSLLWLVEN YQLDNGSFKE NSQYQPIKLQ GTLPVEAREN SLYLTAFTVI  
GIRKAFDICP LVKIDTALIK ADNFLLENTL PAQSTFTLAI SAYALSLGDK  
THPQFRSIVS ALKREALVKG NPPIYRFWKD NLQHKDSSVP NTGTARMVET  
TAYALLTSLN LKDINYVNPV IKWLSEEQRY GGGFYSTQDT INAIEGLTEY  
SLLVKQLRLS MDIDVSYKHK GALHNYKMTD KNFLGRPVEV LLNDDLIVST  
GFGSGLATVH VTTVVHKTST SEEVCSFYLK IDTQDIEASH YRGYGNSDYK  
RIVACASYKP SREESSSGSS HAVMDISLPT GISANEEDLK ALVEGVDQLF  
TDYQIKDGHV ILQLNSIPSS DFLCVRFRIF ELFEVGFLLSP ATFTVYEHYR  
PDKQCTMFYS TSN
```

USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) 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

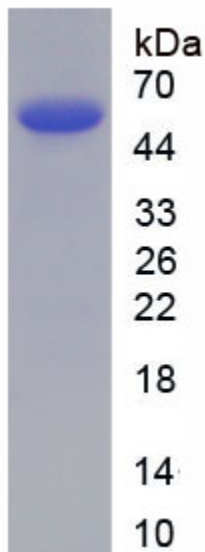


Figure. SDS-PAGE

[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.

