

**RPA731Hu01 50µg**  
**Recombinant Complement Component 7 (C7)**  
**Organism Species: Homo sapiens (Human)**  
***Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY  
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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12th Edition (Revised in Aug, 2016)

## [ **PROPERTIES** ]

**Source:** Prokaryotic expression.

**Host:** *E. coli*

**Residues:** Ser122~His456 linked with LEHHHHHH

**Tags:** N-terminal His-Tag

**Tissue Specificity:** Blood.

**Subcellular Location:** Secreted.

**Purity:** >85%

**Traits:** Freeze-dried powder

**Buffer formulation:** 100mM NaHCO<sub>3</sub>, 500mM NaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.

**Original Concentration:** 200ug/mL

**Applications:** SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling.

(May be suitable for use in other assays to be determined by the end user.)

**Predicted isoelectric point:** 8.7

**Predicted Molecular Mass:** 43.1kDa

**Accurate Molecular Mass:** 42kDa as determined by SDS-PAGE reducing conditions.

## [ **USAGE** ]

Reconstitute in 100mM NaHCO<sub>3</sub>, 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## [ **STORAGE AND STABILITY** ]

**Storage:** Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

**Stability Test:** 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.

[ **SEQUENCE** ]

```

                                SERRPSCDI DKPPPNIELT GNGYNELTGQ
FRNRVINTKS FGGQCRKVFS GDGKDFYRLS GNVLSYTFQV KINNDFNYEF
YNSTWSYVKH TSTEHTSSSR KRSFFRSSSS SSRSYTSHTN EIHKGKSYQL
LVVENTVEVA QFINNNPEFL QLAEPFWKEL SHLPSLYDYS AYRRRIDQYG
THYLQSGSLG GEYRVLFYVD SEKLNQDNFN SVEEKCKSS GWHFVVKFSS
HGCKELENAL KAASGTQNNV LRGEPIRGG GAGFISGLSY LEIDNPAGNK
RRYSAWAESV TNLQVIKQK LTPLYELVKE VPCASVKKLY LKWALEEYLD
EFDPCHEHH HHHH
    
```

[ **IDENTIFICATION** ]

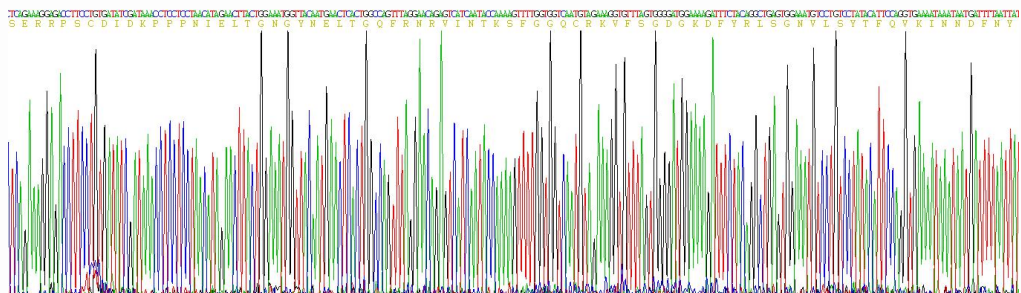


Figure 1. Gene Sequencing (Extract)

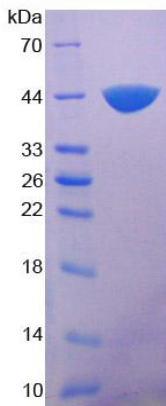


Figure 2. SDS-PAGE