

RPA387Mu01 50µg
Recombinant Complement Component 3a (C3a)
Organism Species: *Mus musculus* (Mouse)
Instruction manual

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

12th Edition (Revised in Aug, 2016)

[**PROPERTIES**]

Source: Prokaryotic expression.

Host: *E. coli*

Residues: Ser671~Arg748

Tags: Two N-terminal Tags, His-tag and GST-tag

Subcellular Location: Secreted.

Purity: >92%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, 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: 8.4

Predicted Molecular Mass: 38.3kDa

Accurate Molecular Mass: 38kDa as determined by SDS-PAGE reducing conditions.

[**USAGE**]

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

SVQLMERRMD KAGQYTDKGL RKCCEDGMRD
IPMRYSCQRR ARLITQGENC IKAFIDCCNH ITKLREQHRR DHVLGLAR

[IDENTIFICATION]

TTG GTG A GTT GAT GGA A A G A G G T T G G A C A A G C T G G T C A G T A C T G A C A G G G T C T T C G G A A G T T T T G A G G T G G T A T G C G G H A T C C C T A T G A G A T H A G C T C C A G C C C C G G G A G C C T C A T G A C C C G G G C G A G A C T G C A T A A G G C C T T G T A G A C T G C T G C G A C C A T C C A G C T G C G T G A A G A C A G A G A G
S V Q L M E R R R H D K A G Q Y T D K G L R K C C E D G M R D I P H R Y S C Q R R A R L I T Q G E H C I K A F I D C D H I T K L R E Q H R R

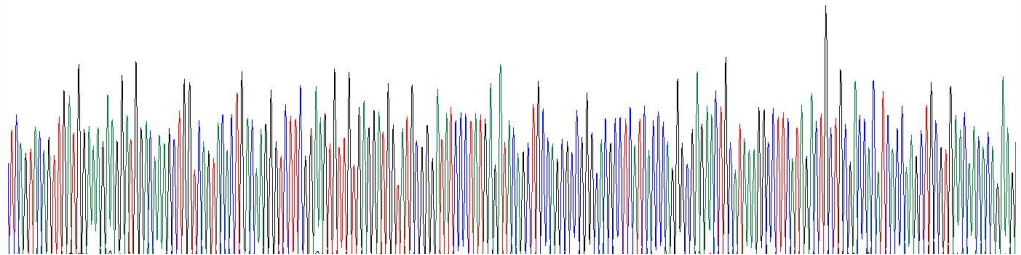


Figure 1. Gene Sequencing (Extract)

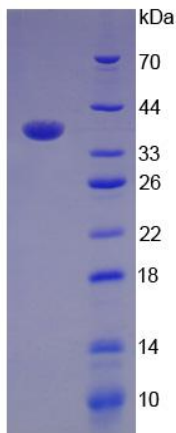


Figure 2. SDS-PAGE