

Recombinant Complement Component 3a (C3a) Instruction Manual

SIPA615Ra01

Rattus norvegicus (Rat)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Secreted
Predicted Molecular Mass	40.3kDa
Accurate Molecular Mass	39kDa&35kDa(Analysis of differences refer to the manual)
Residues & Tags	Ser671~Arg748 with N-terminal His and GST 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	> 90%
Isoelectric Point	5.4
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

SVQLMERRMD KAGQYTDKGL RKCCEDGMRD
IPMPYSCQRR ARLITQGESC LKAFMDCCN YITKLREQHRR DHVLGLAR

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

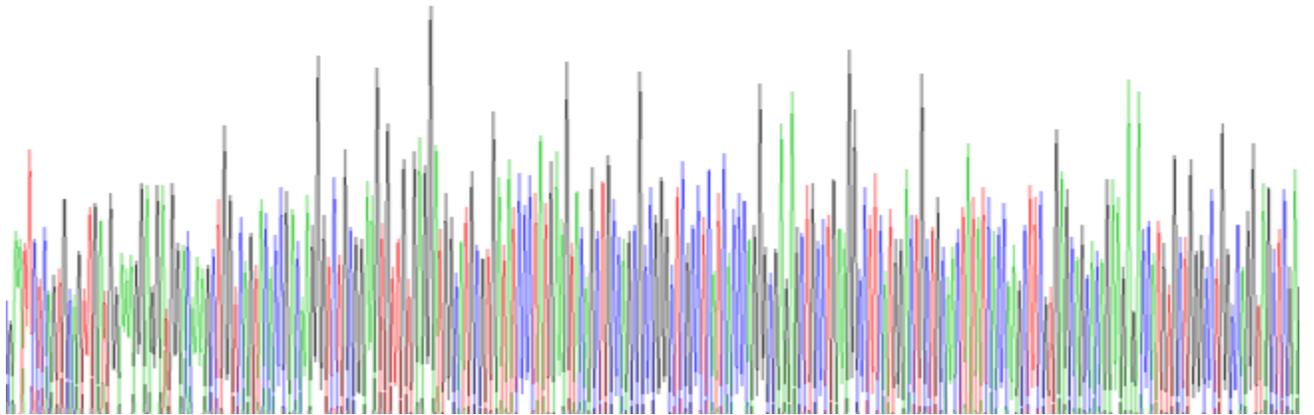
A single line of DNA sequence data represented by a multi-colored bar chart. The colors correspond to the four nucleotide bases: Adenine (A), Thymine (T), Guanine (G), and Cytosine (C).

Figure . Gene Sequencing (extract)

Image

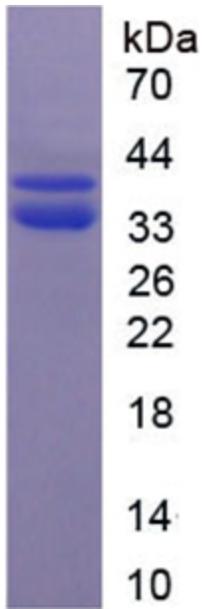


Figure. SDS-PAGE

[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.