Recombinant Rat C5 Protein, His-tagged

Cat. No. C5-346R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat C5 Protein (Cys1541-Ala1688) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Cys1541-Ala1688
Description	Enables C5a anaphylatoxin chemotactic receptor binding activity. Involved in several processes, including glucose homeostasis; leukocyte migration involved in inflammatory response; and negative regulation of catecholamine secretion. Located in extracellular space. Used to study adult respiratory distress syndrome; asthma; and neutropenia. Biomarker of brain edema. Human ortholog(s) of this gene implicated in several diseases, including complement component 5 deficiency; liver cirrhosis; neutropenia; paroxysmal nocturnal hemoglobinuria; and pneumonia. Orthologous to human C5 (complement C5).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 20.3 kDa Accurate Molecular Mass: 20.3 kDa
Purity	> 90%

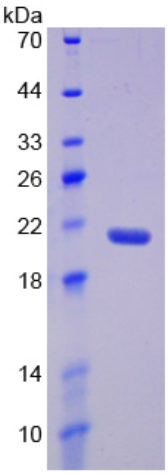
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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 centigrade 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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	C5 complement component 5 [Rattus norvegicus (Norway rat)]
Official Symbol	C5
Synonyms	C5; complement component 5; Hc; C5a
Gene ID	362119
mRNA Refseq	NM_053020
Protein Refseq	NP_444179

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA



15% SDS-PAGE

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA