Recombinant Rat C4b Protein, His-tagged

Cat. No. C4b-342R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat C4b Protein (Ala1477-Val1737) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Ala1477-Val1737
Description	Predicted to enable carbohydrate binding activity and complement component C1q complex binding activity. Predicted to be involved in complement activation; detection of molecule of bacterial origin; and positive regulation of apoptotic cell clearance. Predicted to act upstream of or within immunoglobulin mediated immune response. Located in extracellular space. Human ortholog(s) of this gene implicated in autistic disorder; autoimmune disease (multiple); complement component 4b deficiency; and renal cell carcinoma. Orthologous to human C4B (complement C4B (Chido blood group)).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.2 kDa Accurate Molecular Mass: 33 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	C4b complement component 4B (Chido blood group) [Rattus norvegicus (Norway rat)]
Official Symbol	C4b
Synonyms	C4B; complement component 4B (Chido blood group); complement component 4, gene 2; complement C4-like protein; C4l; C4-2
Gene ID	406161
mRNA Refseq	NM_001002805
Protein Refseq	NP_001002805
UniProt ID	Q6MG90

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