

Recombinant Rat C4a Protein, His-tagged

Cat. No. C4a-339R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat C4a Protein (Asn678-Arg753) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Asn678-Arg753
Description	Predicted to enable complement component C1q complex binding activity. Predicted to be involved in complement activation and positive regulation of apoptotic cell clearance. Located in extracellular space. Human ortholog(s) of this gene implicated in autistic disorder; autoimmune disease (multiple); complement deficiency (multiple); and renal cell carcinoma. Orthologous to several human genes including C4B (complement C4B (Chido blood group)).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 12.3 kDa Accurate Molecular Mass: 14 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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	C4a complement component 4 (within H-2S) [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	C4a
Synonyms	C4A; complement component 4 (within H-2S)
Gene ID	24233
mRNA Refseq	NM_031504
Protein Refseq	NP_113692
UniProt ID	P08649

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