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Datasheet for ABIN7320494 **C3 Protein**

Image



Overview

Quantity:	50 µg
Target:	C3
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Mouse Complement Component C3a/C3a Protein
Sequence:	Ser671-Arg748
Characteristics:	Recombinant Mouse Complement Component C3a is produced by our E.coli expression system and the target gene encoding Ser671-Arg748 is expressed.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per μ g as determined by the LAL method.

Target Details

Target:	C3
Alternative Name:	Complement Component C3a/C3a (C3 Products)
Background:	Background: Complement is defined as key part of innate immunity and as the first line of
	defense in the fight against invading pathogens. Complement 3 (C3) is the most abundant
	component of the complement cascade and the convergent point for all three major
	complement activation pathways: namely classical, alternative and mannose-binding lectin

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Target Details

	pathways. Complement activation leads to the formation of the C3 convertase, which cleaves
	C3 into the key effector molecules, C3a (anaphylatoxin) and C3b (opsonin) which then drive
	microbe removal. By binding to C3a receptor (C3aR), C3a exhibits potent anaphylatoxin activity,
	including increased vascular permeability, triggering degranulation of mast cells, inflammation,
	and activating leukocytes.
	Synonym: Complement Component C3a, Anaphylatoxin, C3a
Molecular Weight:	9.2 kDa
UniProt:	P01027
Pathways:	Complement System, Regulation of Leukocyte Mediated Immunity, Positive Regulation of
	Immune Effector Process, Regulation of G-Protein Coupled Receptor Protein Signaling

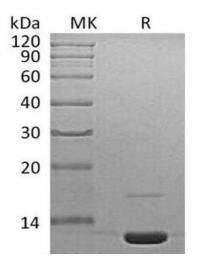
Application Details

Restrictions:

For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
	Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted
	samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.

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