

Datasheet for ABIN7447911

C5A Protein (His tag)



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Overview

Quantity:	50 µg
Target:	C5A (C5a)
Origin:	Cynomolgus
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This C5A protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus Complement C5a Protein, His Tag
Sequence:	Met 678 - Arg 751
Characteristics:	Cynomolgus Complement C5a, His Tag is expressed from E.coli cells. It contains AA Met 678 - Arg 751 (Accession # XP_015292262.2).
Purity:	95,00 %
Endotoxin Level:	1.0 EU per µg

Target Details

Target:	C5A (C5a)
Alternative Name:	Complement C5a (C5a Products)
Background:	Synonyms:C5a,Complement Component 5a,Description:Complement Component C5a (C5a) is also known as C5,and is a protein fragment released from complement component C5.,is a potent chemotactic factor for human peripheral blood neutrophils and monocytes, and is

Target Details

believed to play an important role in a number of inflammatory conditions. There are several functions in the below: C5a is an anaphylatoxin, causing the release of histamine from mast cells, C5a is effective leukocyte chemoattractants, causing the accumulation of white blood cells, especially neutrophil granulocytes, at sites of complement activation, C5a activates white blood cells by increasing avidity for white blood cell integrins and upregulating the Lipoxygenase pathway for arachidonic acid metabolism, C5a is a powerful inflammatory mediator, and seems to be a key factor in the development of pathology of many inflammatory diseases involving the complement system, C5a modulates balance between activating versus inhibitory IgG Fc receptors on leukocytes, thereby enhancing autoimmune response.

Molecular Weight:	10.5 kDa
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NCBI Accession:	XP_015292262
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Pathways:	Complement System , Carbohydrate Homeostasis
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Application Details

Comment:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 10.5 kDa. The protein migrates as 13 kDa under reducing (R) condition (SDS-PAGE).
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Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
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Buffer:	PBS, pH 7.4
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Storage:	-20 °C
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Storage Comment:	-20°C
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