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Datasheet for ABIN1615613

**Complement Factor I Protein (CFI) (AA 19-604) (His tag)**

## Overview

Quantity:	1 mg
Target:	Complement Factor I (CFI)
Protein Characteristics:	AA 19-604
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Complement Factor I protein is labelled with His tag.
Application:	ELISA

## Product Details

Sequence:	KN TPASGQPQED LVEQKCLLKN YTHHSCDKVF CQPWQKCIEG TACKLPYQC PKAGTPVCAT NGRGYPTYCH LKSFECLHPE IKFSNNGTCT AEEKFNVSLI YGSTDTEGIV QVKLVDQDEK MFICKNSWST VEANVACFDL GFPLGVTDIQ GRFNIPVNHK INSTECLHVR CQGVETSLAE CTFTKKSSKA PHGLAGVVCY TQDADFPTSQ SFQCVNGKRI PQEKACDGVN DCGDQSDCLC CKGCRGQAFL CKSGVCIPNQ RKCNGEVDIC TGEDESGCEE DKKNKIHKGL ARSDQGGETE IETEETEMLT PDMETERKRI KSLLPKLSCG VKRNTHIRRK RVVGGKPAEM GDYPWQVAIK DGDRITCGGI YIGGCWILTA AHCVRPSRYR NYQVWTSLLD WKPNSQLAV QGVSRVVVHE KYNGATYQND IALVEMKKHP GKKECELINS VPACVPWSPY LFQPNDRCL SGWGREKDNQ KVYSLRWGEV DLIGNCSRFRY PGRYYEKEMQ CAGTSDGSID ACKGDSGGPL VCKDVNNVTY VWGIVSWGEM CGKPEFPGVY TRVASYFDWI SYYVGRPLVS QYNV
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian

## Product Details

cells or by baculovirus infection. Be aware about differences in price and lead time.

Purity: > 90 %

## Target Details

Target: Complement Factor I (CFI)

Abstract: [CFI Products](#)

Background: Recommended name: Complement factor I.  
EC= 3.4.21.45.  
Alternative name(s): C3B/C4B inactivator Cleaved into the following 2 chains: 1.  
Complement factor I heavy chain 2.  
Complement factor I light chain

UniProt: [Q9WUW3](#)

Pathways: [Complement System](#)

## Application Details

Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

## Handling

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Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.