Datasheet for ABIN7092743

Complement Factor B Protein (CFB) (Fc Tag)

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Overview

Quantity:	100 µg
Target:	Complement Factor B (CFB)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Complement Factor B protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human CFB with C-terminal human Fc tag
Specificity:	CFB (Thr26-Leu764) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	affinity purification
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	Complement Factor B (CFB)
Alternative Name:	CFB (CFB Products)
Background:	Synonymes: AHUS4, ARMD14, BF, BFD, CFAB, CFBD, FB, FBI12, GBG, H2-Bf, PBF2 Description: This gene encodes complement factor B, a component of the alternative pathway of complement activation. Factor B circulates in the blood as a single chain polypeptide. Upon

Target Details

	activation of the alternative pathway, it is cleaved by complement factor D yielding the noncatalytic chain Ba and the catalytic subunit Bb. The active subunit Bb is a serine protease which associates with C3b to form the alternative pathway C3 convertase. Bb is involved in the proliferation of preactivated B lymphocytes, while Ba inhibits their proliferation. This gene localizes to the major histocompatibility complex (MHC) class III region on chromosome 6. This cluster includes several genes involved in regulation of the immune reaction. Polymorphisms in this gene are associated with a reduced risk of age-related macular degeneration. The polyadenylation site of this gene is 421 bp from the 5' end of the gene for complement component 2. [provided by RefSeq, Jul 2008]
Molecular Weight:	predicted molecular mass of 109.2 kDa after removal of the signal peptide.The apparent molecular mass of CFB-hFc is 100-130 kDa due to glycosylation.
UniProt:	P00751
Pathways:	Complement System, Proton Transport, Ribonucleoside Biosynthetic Process

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute with deionized water
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months