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Datasheet for ABIN1096421

Complement Factor B Protein (CFB) (AA 26-764) (His tag)

Overview

Quantity:	50 µg
Target:	Complement Factor B (CFB)
Protein Characteristics:	AA 26-764
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Complement Factor B protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Complement Factor B/CFB (C-6His)
Sequence:	TPWSLAWPQG SCSLEGVEIK GGSFRLQEG QALEYVCPSPG FYPYPVQTRT CRSTGSWSTL KTQDQKTVRK AECRAIHCPH PHDFENGGEYW PRSPYYNVSD EISFHCYDGY TLRGSANRTC QVNGRWSGQT AICDNGAGYC SNPGIPIGTR KVGSRQYRLED SVTYHCSRGL TLRGSQRRTC QEGGSWSGTE PSCQDSFMYD TPQEVAEAFI SSLTETIEGV DAEDGHGPGE QQKRKIVLDP SGSMNIYLV L DGSDSIGASN FTGAKKCLVN LIEKVASYGV KPRYGLV TYA TYPKIWWKVS EADSSNADWV TKQLNEINYE DHKLKSGTNT KALQAVYSM MSWPDDVPPE GWNRRTRHVII LMTDGLHNMG GDPITVIDEI RDLLYIGKDR KNPREDYLDV YVFGVGPLVN QVNINALASK KDNEQHVFKV KDMENLEDVF YQMIDESQSL SLCGMVWEHR KGTDYHKQPW QAKISVIRPS KGHESCMGAV VSEYFVLTAH HCFTVDDKEH SIKVSVGGEK RDLEIEVVLF HPNYNINGKK EAGIPEFYDY DVALIKLKNK LKYGQTIRPI CLPCTEGTTR ALRLPPTTTC QQQKEELLPA QDIKALFVSE EEKKLTRKEV YIKNGDKKGS CERDAQYAPG YDKVKDISEV VTPRFLCTGG VSPYADPNTC RGDGGGPLIV HKRSRFIQVG VISWGVVDVC KNQKRQKQVP AHARDFHINL

Product Details

FQVLPWLKEK LQDEDLGFLV DHHHHHH

Characteristics:	Recombinant Human Complement Factor B/CFB is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Thr26-Leu764) of Human CFB fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	Complement Factor B (CFB)
Alternative Name:	complement-factor-b (CFB Products)
Sub Type:	Fusionprotein
Background:	<p>Complement Factor B (CFB) belongs to the peptidase S1 family of enzymes. It is expressed by hepatocytes and macrophages and localizes to the major histocompatibility complex (MHC) class III region on chromosome 6. CFB which is a component of the alternate pathway of the complement system is cleaved by factor D into 2 fragments: Ba and Bb. 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.</p> <p>Alternative Names: Complement Factor B, C3/C5 Convertase, Glycine-Rich Beta Glycoprotein, GBG, PBF2, Properdin Factor B, CFB, BF, BFD</p>
Molecular Weight:	84.07 kDa
UniProt:	P00751
Pathways:	Complement System , Proton Transport , Ribonucleoside Biosynthetic Process

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL.

Handling

Dissolve the lyophilized protein in ddH₂O.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, pH 8.0.

Handling Advice: Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Storage: -80 °C

Storage Comment: Store at < -20°C, stable for 6 months after receipt.

Please minimize freeze-thaw cycles.

Expiry Date: 6 months