

Recombinant Human CFB Protein, GST-Tagged

Cat. No. CFB-1162H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human CFB full-length ORF (1 a.a. - 764 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	<p>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 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]</p>
Molecular Mass	111.9 kDa
AA Sequence	MGSNLSPQLCLMPFILGLLSGGVTTTPWSLARPQGSCSLEGVEIKGGSFRLLEGGQ ALEYVCPSPGFYPYPVQTRTCRSTGWSWTLKTQDQKTVRKAECRAIH CPRPHDFENG

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EYWPRSPYYNVSDEISFHICYDGYTLRGSANRTCQVNGRWSGQTAICDNGAGYCSN
 PGIPIGTRKVGVSQYRLEDSVTYHCSRGLTLRGSQRRTCQEGGSWSGTEPSCQDSF
 MYDTPQEVAEAFSSLTETIEGVDAEDGHGPGEQQKRKIVLDPSGSMNIYLVLDGSD
 SIGASNFTGAKKCLVNLIEKVASYGVKPRYGLVTYATYPKIWVKVSEADSSNADWVT
 KQLNEINYEDHKLKSGTNTKKALQAVYSMMSWPDDVPPEGWNRTRHVILMTDGLH
 NMGGDPITVIDEIRDLLYIGKDRKNPREDYLDVYVFGVGPLVNQVNINALASKKDNEQ
 HVFKVKDMENLEDVFYQMIDESQSLSLCGMVWEHRKGTDYHKQPWQAKISVIRPSK
 GHESCMGAVVSEYFVLTAAHCFVDDKEHSIKVSVGGEKRDLEIEVVLFPNYNING
 KKEAGIPEFYDYDVALIKLKNKLKYGQTIRPICLPCTEGTTRALRLPPTTTCQQQKEEL
 LPAQDIKALFVSEEEKLTRKEVYIKNGDKKGGSCERDAQYAPGYDKVKDISEVVT
 PRFLCTGGVSPYADPNTCRGDSGGPLIVHKRSRFIQVGVISWGVVDVCKNQKRQKQVP
 AHARDFHINLFQVLPWLKEKLQDEDLGFL

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

CFB complement factor B [Homo sapiens]

Official Symbol

CFB

Synonyms

CFB; complement factor B; B factor, properdin, BF, BFD; H2 Bf; C3 proactivator;
 C3/C5 convertase; C3 proaccelerator; properdin factor B; B-factor, properdin; glycine-

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rich beta glycoprotein; glycine-rich beta-glycoprotein; BF; FB; BFD; GBG; CFAB;
PBF2; AHUS4; FBI12; H2-Bf; FLJ54899;


Gene ID 629

mRNA Refseq NM_001710

Protein Refseq NP_001701

MIM 138470

UniProt ID P00751

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