

## 32-7303: Recombinant Human Complement Factor B/CFB (C-6His)

**Gene :** CFB  
**Gene ID :** 629  
**Uniprot ID :** P00751

### Description

Source: Human Cells.  
MW :84.07kD.

Recombinant Human Complement Factor B is produced by our Mammalian expression system and the target gene encoding Thr26-Leu764 is expressed with a 6His tag at the C-terminus. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, pH 8.0.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** TPWSLAWPQGSCSLEGVEIKGGSFRLLEGGQALEYVCPSPGFYPVQTRTCRSTGSWSTLKTQDQKTVRKAEC  
RAIHCPRPHDFENGEYWPRSPYYNVSDEISFHCYDGYTLRGSANRTCQVNGRWSGQTAICDNGAGYCSNPGIP  
IGTRKVGSGYRLEDSVYHCSRGLTLRGSQRRTCQEGGSWSGTEPSCQDSFMYDTPQEVAEAFSLSTETIEG  
VDAEDGHGPGEQQKRKIVLDPSGSMNIYLVLDGSDSIGASNFTGAKKCLVNLIEKVASYGVKPRYGLVTYATYP  
KIWVKVSEADSSNADWVTKQLNEINYEDHKLKSGTNTKKALQAVYSMMSPDDVPPEGWNRTRHVILMTDG  
LHNMGDPITVIDEIRDLLYIGKDRKNPREDYLDVYVFGVGPLVNQVNINALASKKDNEQHVFKVKDMENLEDV  
FYQMIDESQSLSLCGMVWEHRKGTDYHKQPWQAKISVIRPSKGHESCMGAVVSEYFVLTAAHCFTVDDKEHSI  
KVSVGGEKRDLEIEVVLFPNYNINGKKEAGIPEFYDYDVALIKLKNKLYGQTIRPICLPCTEGTTRALRPLPTTT  
CQQQKEELLPAQDIKALFVSEEEKLTRKEVYIKNGDKKGCERDAQYAPGYDKVKDISEVVTFRFLCTGGVSPY  
ADPNTCRGDSGGPLIVHKRSRFIQVGVISWGVDVCKNQKRQKQVPAHARDFHINLFQVLPWLKEKLQDEDL  
GFLVDHHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.