

Recombinant Full Length Human CFP Protein, GST-tagged

Cat. No. CFP-3299HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CFP full-length ORF (AAH15756.1, 1 a.a. - 469 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	469 amino acids
Description	This gene encodes a plasma glycoprotein that positively regulates the alternative complement pathway of the innate immune system. This protein binds to many microbial surfaces and apoptotic cells and stabilizes the C3- and C5-convertase enzyme complexes in a feedback loop that ultimately leads to formation of the membrane attack complex and lysis of the target cell. Mutations in this gene result in two forms of properdin deficiency, which results in high susceptibility to meningococcal infections. Multiple alternatively spliced variants, encoding the same protein, have been identified.[provided by RefSeq, Feb 2009]
Molecular Mass	77.33 kDa
AA Sequence	MITEGAQAPRLLLPLLLLLLTPATGSDPVLCFYQYEESGKCKGLLGGGVSVEDCC LNTAFAYQKRSGGLCQPCRSRWSLWSTWAPCSVTCSEGSQRLRYRRCVGVWNGQ CSGKVAPGTLEWQLQACEDQQCCPEMGGWSGWGPWEPCSVTCSKGTTRRRRA CNHPAPKCGGHCPGQAQSEACDTQQVCPHGWATWGPWTPCSASCHGGPHE PKETRSRKCSAPEPSQKPPGKPCPGLAYEQRRCTGLPPCPVAGGWGPWGPVSPC

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PVTCGLGQTMEQRTC�HPVPQHGGPFCAGDATRTHICNTAVPCPVDGEWDSWGE
 WSPCIRRNMKSISCQEIPGQQSRGRTCRGRKFDGHRCAGQQQDIRHCYSIQHCPL
 KGSWSEWSTWGLCMPPCGPNPTRARQRLCTPLLPKYPTVSMVEGQGEKNVTFW
 GRPLPRCEELQGQKLVVEEKRPCLHVPACKDPEEEEE

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	CFP complement factor properdin [Homo sapiens]
Official Symbol	CFP
Synonyms	CFP; complement factor properdin; PFC, properdin P factor, complement; properdin; complement factor P; properdin P factor, complement; BFD; PFC; PFD; PROPERDIN;
Gene ID	5199
mRNA Refseq	NM_001145252
Protein Refseq	NP_001138724
MIM	300383



UniProt ID

P27918

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