

Recombinant Human CFP

Cat. No. CFP-29037TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human Properdin with a N terminal proprietary tag; Predicted MWt 39.05 kDa including the tag.
Species	Human
Source	Wheat Germ
ProteinLength	122 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.
Molecular Weight	39.050kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	PHEPKETRSRKCSAPEPSQKPPGKPCPGLAYEQRRCTGLP PCPVAGGWGPWGPV SPCPVTCGLGQTMEQRTCNIHPVPQHG GPFCAGDATRTHICNTAVPCPVDGEWDS WGEWSPCIRRNM KS
Sequence Similarities	Contains 6 TSP type-1 domains.
GENE INFORMATION	
Gene Name	CFP complement factor properdin [Homo sapiens]
Official Symbol	CFP
Synonyms	CFP; complement factor properdin; PFC, properdin P factor, complement; properdin;
Gene ID	5199
mRNA Refseq	NM_001145252
Protein Refseq	NP_001138724
MIM	300383
Uniprot ID	P27918
Chromosome Location	Xp11.4
Pathway	Herpes simplex infection, organism-specific biosystem; Herpes simplex infection,

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conserved biosystem;

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