

Recombinant Human CFP protein, His & T7-tagged

Cat. No. CFP-7679H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CFP aa. (Gln65~Cys190 (Accession # P27918)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gln65~Cys190
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 17.4kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>90%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Characteristic	The isoelectric point is 8.5.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.

GENE INFORMATION

Gene Name	CFP complement factor properdin [Homo sapiens (human)]
Official Symbol	CFP
Synonyms	BFD; PFC; PFD; PROPERDIN; complement factor P; properdin P factor, complement; properdin
Gene ID	5199
mRNA Refseq	NM_001145252.1
Protein Refseq	NP_001138724.1

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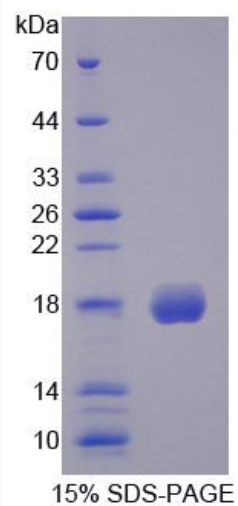
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UniProt ID

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SDS-PAGE

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