

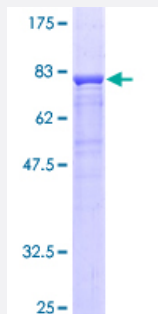
Full-Length

# CFP (Human) Recombinant Protein (P01)

Catalog # H00005199-P01

Size 25 ug, 10 ug

## Applications



## Specification

### Product Description

Human CFP full-length ORF ( AAH15756.1, 1 a.a. - 469 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MITEGAQAPRLLLPLLLLLLTLPATGSDPVLCFTQYEESGKCKGLLGGGVSVEDCCLNTAFAYQ  
KRSGLLCQPCRSRWSLWSTWAPCSVTCSEGSQRLRYRRCVGNWQCSGKVAPGTLEWQLQA  
CEDQCCPEMGGWSGWGPWEPCSVTCSKGTRTRRRACNHPAPKCGGHCPGQAQSEACDT  
QQVCPHTGAWATWGPWTPCSASCHGGPHEPKETRSRKCSAPEPSQKPPGKPCPGLAYEQRR  
CTGLPPCPVAGGWGPWGPVSPCPVTCGLGQTMEQRTCNIHPVPQHGGPFCAGDATRTHICNTA  
VPCPVDGEWDSWGEWSPCIRRNMKSISCQEIPGQQSRGRTCRGRKFDGHRCAQQQDIRHCY  
SIQHCPLKGSWSEWSTWGLCMPPCGPNPTRARQLCTPLLKPYPPTVSMVEGQGEKNVTFWG  
RPLPRCEELQGQKLVEEKRPCLHVPACKDPEEEEL

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

77.33

### Interspecies Antigen Sequence

Mouse (77); Rat (79)

### Preparation Method

[in vitro wheat germ expression system](#)

### Purification

Glutathione Sepharose 4 Fast Flow

### Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

|                     |                                                                          |
|---------------------|--------------------------------------------------------------------------|
| Storage Buffer      | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |
| Storage Instruction | Store at -80°C. Aliquot to avoid repeated freezing and thawing.          |
| Note                | Best use within three months from the date of receipt of this protein.   |

## Applications

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

## Gene Info — CFP

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">5199</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| GeneBank Accession# | <a href="#">BC015756</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Protein Accession#  | <a href="#">AAH15756.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Gene Name           | CFP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Alias          | BFD, PFC, PFD, PROPERDIN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Gene Description    | complement factor properdin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Omim ID             | <a href="#">300383</a> <a href="#">312060</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene Summary        | 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 |
| Other Designations  | properdin P factor, complement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Cerebral Amyloid Angiopathy](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Neuroblastoma](#)