

## C4b-binding protein alpha chain (C4BPA) Recombinant Protein | C4BPA recombinant protein

Recombinant Human C4b-binding protein alpha chain (C4BPA)

|                               |                                                                 |
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| CATALOG #<br><b>AAA113561</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
|-------------------------------|-----------------------------------------------------------------|

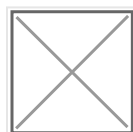
### PRODUCT SYNONYMS

C4b-binding protein alpha chain (C4BPA); Recombinant Human C4b-binding protein alpha chain (C4BPA); C4BPA recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Sequence Positions      | 49-597aa; Full Length of Mature Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Sequence                | <p> NCGPPPTLSF AAPMDITLTE TRFKTGTTLK YTCLPGYVRS HSTQTLTCNS DGEWVYNTFC IYKRCRHPGE<br/> LRNGQVEIKT DLSFGSQIEF SCSEGFFLIG STTSRCEVQD RGVGWSHPLP QCEIVKCKPP PDIRNGRHSG<br/> EENFYAYGFS VTYSCDPRFS LLGHASISCT VENETIGVWR PSPPTCEKIT CRKPDVSHGE MVSGFGPIYN<br/> YKDTIVFKCQ KGFVLRGSSV IHCDADSKWN PSPPACEPNS CINLPDIPA SWETYPRPTK EDVYVVGTVL<br/> RYRCHPGYKP TTDEPTTVIC QKNLRWTPYQ GCEALCCPEP KLNNGEITQH RKSHPANHCY YFYGDEISFS<br/> CHETSRFSAI CQGDGTWSPR TPSCGDICNF PPKIAHGHYK QSSSYSFFKE EIIYECDKGY ILVGQAKLSC<br/> SYSHWSAPAP QCKALCRKPE LVNGRLSVDK DQYVEPENVT IQCDSGYGVV GPQSITCSGN RTWYPEVPKC<br/> EWETPEGCEQ VLTGKRLMQC LPNPEDVKMA LEVYKLSLEI EQLELQRDSA RQSTLDKEL </p> |
| Species                 | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Preparation and Storage | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

### IMAGES



SDS-PAGE

### ADDITIONAL INFORMATION

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| Related Product Information for C4BPA recombinant protein | <p>This gene encodes a member of a superfamily of proteins composed predominantly of tandemly arrayed short consensus repeats of approximately 60 amino acids. Along with a single, unique beta-chain, seven identical alpha-chains encoded by this gene assemble into the predominant isoform of C4b-binding protein, a multimeric protein that controls activation of the complement cascade through the classical pathway. The genes encoding both alpha and beta chains are located adjacent to each other on human chromosome 1 in the regulator of complement activation gene cluster. Two pseudogenes of this gene are also found in the cluster.</p> |
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### NCBI AND UNIPROT INFORMATION

|           |         |
|-----------|---------|
| NCBI GI # | 4502503 |
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|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| NCBI GeneID                      | <a href="#">722</a>                             |
| NCBI Accession #                 | <a href="#">NP_000706.1</a>                     |
| NCBI GenBank Nucleotide #        | <a href="#">NM_000715.3</a>                     |
| UniProt Accession #              | <a href="#">P04003</a> ; <a href="#">Q5VVQ8</a> |
| Molecular Weight                 | 67,033 Da                                       |
| NCBI Official Full Name          | C4b-binding protein alpha chain                 |
| NCBI Official Synonym Full Names | complement component 4 binding protein alpha    |
| NCBI Official Symbol             | C4BPA                                           |
| NCBI Official Synonym Symbols    | PRP; C4BP                                       |
| NCBI Protein Information         | C4b-binding protein alpha chain                 |
| UniProt Protein Name             | C4b-binding protein alpha chain                 |
| UniProt Gene Name                | <b>C4BPA</b>                                    |
| UniProt Synonym Gene Names       | C4BP; C4bp; PRP                                 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/c4bpa-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/113561>