

## Complement C4-B (C4b) Recombinant Protein | C4b recombinant protein

Recombinant Mouse Complement C4-B (C4b)

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| CATALOG #<br><b>AAA113445</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
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### PRODUCT SYNONYMS

Complement C4-B (C4b); Recombinant Mouse Complement C4-B (C4b); C4b 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      | 1448-1738aa; Partial, Complement C4 gamma chain                                                                                                                                                                                                                                                                                            |
| Sequence                | EAPKVVEEQE SRVQYTVCIW RNGKLGLSGM AIADITLLSG FHALRADLEK LTSLSDRYVS HFETDGPHVL<br>LYFDSVPTTR ECVGFGASQE VVGLVQPSS AVLYDYSPD HKCSVFYAAP TKSQLLATLC SGDVCQCAEG<br>KCPRLRSLE RRVEDKDGYR MRFACYYP RV EYGFTVKVLR EDGRAAFRLF ESKITQVLHF RKDTMASIGQ<br>TRNFLSRASC RLRLEPNKEY LIMGMDGETS DNKGDPQYLL DSNTWIEEMP SEQMCKSTRH RAACFQLKDF<br>LMEFSSRGQC V |
| Species                 | Mouse                                                                                                                                                                                                                                                                                                                                      |
| 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.                                                                                                                                        |

### ADDITIONAL INFORMATION

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| Related Product Information for C4b recombinant protein | This gene encodes the basic form of complement factor 4, part of the classical activation pathway. The protein is expressed as a single chain precursor which is proteolytically cleaved into a trimer of alpha, beta, and gamma chains prior to secretion. The trimer provides a surface for interaction between the antigen-antibody complex and other complement components. The alpha chain may be cleaved to release C4 anaphylatoxin, a mediator of local inflammation. Deficiency of this protein is associated with systemic lupus erythematosus. This gene localizes to the major histocompatibility complex (MHC) class III region on chromosome 6. Varying haplotypes of this gene cluster exist, such that individuals may have 1, 2, or 3 copies of this gene. In addition, this gene exists as a long form and a short form due to the presence or absence of a 6.4 kb endogenous HERV-K retrovirus in intron 9. |
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### NCBI AND UNIPROT INFORMATION

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| NCBI GI #                        | <a href="#">157951698</a>                                                                                                                                                                                                                               |
| NCBI GeneID                      | <a href="#">12268</a>                                                                                                                                                                                                                                   |
| NCBI Accession #                 | <a href="#">NP_033910.2</a>                                                                                                                                                                                                                             |
| NCBI GenBank Nucleotide #        | <a href="#">NM_009780.2</a>                                                                                                                                                                                                                             |
| UniProt Accession #              | <a href="#">P01029</a> ; <a href="#">O70346</a> ; <a href="#">Q31201</a> ; <a href="#">Q3TYY1</a> ; <a href="#">Q3TZC9</a> ; <a href="#">Q61372</a> ; <a href="#">Q61859</a> ; <a href="#">Q62353</a> ; <a href="#">Q6NWW8</a> ; <a href="#">E9QKK7</a> |
| Molecular Weight                 | 192,915 Da                                                                                                                                                                                                                                              |
| NCBI Official Full Name          | complement C4-B                                                                                                                                                                                                                                         |
| NCBI Official Synonym Full Names | complement component 4B (Chido blood group)                                                                                                                                                                                                             |

|                               |                 |
|-------------------------------|-----------------|
| NCBI Official Symbol          | C4b             |
| NCBI Official Synonym Symbols | C4; Ss          |
| NCBI Protein Information      | complement C4-B |
| UniProt Protein Name          | Complement C4-B |
| UniProt Gene Name             | <b>C4b</b>      |
| UniProt Synonym Gene Names    | C4              |

**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://www.aaabiotech.com/c4b-recombinant-protein-e-coli/113445>