

## Complement factor I (Cfi) Recombinant Protein | Cfi recombinant protein

Recombinant Rat Complement factor I (Cfi)

|                               |                                                                 |
|-------------------------------|-----------------------------------------------------------------|
| CATALOG #<br><b>AAA117373</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
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### PRODUCT SYNONYMS

Complement factor I (Cfi); Recombinant Rat Complement factor I (Cfi); Cfi recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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      | 19-604aa; Full Length of Mature Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Sequence                | KNTPASGQPQ EDLVEQKCLL KNYTHHSCDK VFCQPWQKCI EGTACKLPY QCPKAGTPVC ATNGRGYPTY CHLKSFECLH PEIKFSNNGT CTAEKFNVS LIYGSTDTEG IVQVKLVDQD EKMICKNSW STVEANVACF DLGFPLGVRD IQGRFNIPVN HKINSTECLH VRCQGVETSL AECTFTKKSS KAPHGLAGVV CYTQDAFPT SQSFQCVNGK RIPQEKACDG VNDGQDSDE LCCKGCRGQA FLCKSGVCIP NQRKCNGEVD CITGEDESGC EEDKKNKIHK GLARSDQGGG TEIETEETEM LTPDMDTERK RIKSLLPKLS CGVKRNTHIR RKRNVGGKPA EMGDYPWQVA IKDGDRITCG GIYIGGCWIL TAAHCVRPSR YRNYQVWTS LLDWLKPNSQL AVQGVSRVVV HEKYNATYQ NDIALVEMKK HPGKKECELI NSVPACVPWS PYLFQPNDR IISGWGREKD NQKVYSLRWG EVDLIGNCSR FYPGRYYEKE MQCAGTSDGS IDACKGDSGG PLVCKDVNNV TYVWGIVSWG ENCGKPEFPG VYTRVASYFD WISYVGRPL VSQYNV |
| Species                 | Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 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 Cfi recombinant protein | This gene encodes a serine proteinase that is essential for regulating the complement cascade. The encoded preproprotein is cleaved to produce both heavy and light chains, which are linked by disulfide bonds to form a heterodimeric glycoprotein. This heterodimer can cleave and inactivate the complement components C4b and C3b, and it prevents the assembly of the C3 and C5 convertase enzymes. Defects in this gene cause complement factor I deficiency, an autosomal recessive disease associated with a susceptibility to pyogenic infections. Mutations in this gene have been associated with a predisposition to atypical hemolytic uraemic syndrome, a disease characterized by acute renal failure, microangiopathic hemolytic anemia and thrombocytopenia. Primary glomerulonephritis with immune deposits is another condition associated with mutation of this gene. |
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### NCBI AND UNIPROT INFORMATION

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|---------------------------|-------------------------------------------------|
| NCBI GI #                 | <a href="#">13162353</a>                        |
| NCBI GeneID               | <a href="#">79126</a>                           |
| NCBI Accession #          | <a href="#">NP_077071.1</a>                     |
| NCBI GenBank Nucleotide # | <a href="#">NM_024157.1</a>                     |
| UniProt Accession #       | <a href="#">Q9WUW3</a> ; <a href="#">Q5EBC4</a> |
| Molecular Weight          | 69.2                                            |

|                                  |                     |
|----------------------------------|---------------------|
| NCBI Official Full Name          | complement factor I |
| NCBI Official Synonym Full Names | complement factor I |
| NCBI Official Symbol             | Cfi                 |
| NCBI Official Synonym Symbols    | FI                  |
| NCBI Protein Information         | complement factor I |
| UniProt Protein Name             | Complement factor I |
| UniProt Gene Name                | <b>Cfi</b>          |
| UniProt Synonym Gene Names       | If                  |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/cfi-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/117373>