

## Active Recombinant Human C5 protein

Cat. No. C5-4756H Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Active Recombinant Human C5 protein(Leu 679-Arg 751) was expressed in E. coli.                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                       |
| <b>Source</b>           | E. coli                                                                                                                                                                                     |
| <b>ProteinLength</b>    | 679-751 aa                                                                                                                                                                                  |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4.                                                                                                                                                       |
| <b>Bio-activity</b>     | Measured by its ability to induce N-acetyl- $\beta$ -D-glucosaminidase release from differentiated U937 human histiocytic lymphoma cells. The ED50 for this effect is typically 5-15 ng/ml. |
| <b>Molecular Mass</b>   | The recombinant human C5a consists of 74 amino acids and has a predicted molecular mass of 8.3 kDa which is also estimated by SDS-PAGE.                                                     |
| <b>Purity</b>           | > 94 % as determined by SDS-PAGE                                                                                                                                                            |
| <b>Storage</b>          | Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.        |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.               |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

## GENE INFORMATION

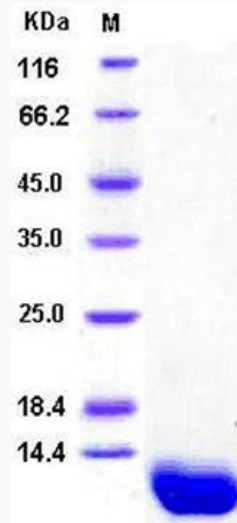
|                        |                                                                                                                                                                                |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | C5 complement component 5 [ Homo sapiens ]                                                                                                                                     |
| <b>Official Symbol</b> | C5                                                                                                                                                                             |
| <b>Synonyms</b>        | C5; complement component 5; complement C5; CPAMD4; anaphylatoxin C5a analog; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 4; FLJ17816; FLJ17822; MGC142298; |
| <b>Gene ID</b>         | 727                                                                                                                                                                            |
| <b>mRNA Refseq</b>     | NM_001735                                                                                                                                                                      |
| <b>Protein Refseq</b>  | NP_001726                                                                                                                                                                      |
| <b>MIM</b>             | 120900                                                                                                                                                                         |
| <b>UniProt ID</b>      | P01031                                                                                                                                                                         |

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**SDS-PAGE**



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