



# Recombinant Human Complement factor D (CFD)

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| <b>Product Code</b>      | CSB-BP005271HU   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | P00746   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Homo sapiens (Human)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | ILGGR EAEAHARPYM ASVQLNGAHL CGGVLVAEQW VLSSAAHCLED<br>AADGKVQVLL GAHSLSQPEP SKRLYDVLRA VPHPDSQPDT IDHDL LLLQL<br>SEKATLGPAV RPLPWQRVDR DVAPGTLCDV AGWGIVNHAG RRPDSLQHV L<br>LPVLDRATCN RRTHHDGAIT ERLMCAESNR RDSCCKGDSGG PLVCGGVLEG<br>VVTSGSRVCG NRKKPGIYTR VASYAAWIDS VLA  |
| <b>Source</b>            | Baculovirus  |
| <b>Target Names</b>      | CFD  |
| <b>Protein Names</b>     | Recommended name: Complement factor D EC= 3.4.21.46 Alternative name(s):<br>Adipsin C3 convertase activator Properdin factor D   |
| <b>Expression Region</b> | 26-253   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | Full Length of Mature Protein  |
| <b>Target Details</b>    | This protein is a member of the trypsin family of peptidases. The encoded protein is a component of the alternative complement pathway best known for its role in humoral suppression of infectious agents. This protein is also a serine protease that is secreted by adipocytes into the bloodstream. Finally, the encoded protein has a high level of expression in fat, suggesting a role for adipose tissue in immune system biology. |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.                                |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.   |