

PRODUCT INFORMATION

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| Target | CFD |
| Synonyms | ADIPSIN;ADN;DF;PFD |
| Description | Recombinant Human CFD Protein with C-terminal human Fc tag |
| Delivery | In Stock |
| Uniprot ID | P00746 |
| Expression Host | HEK293 |
| Tag | C-Human Fc Tag |
| Molecular Characterization | CFD(Ile26-Ala253) hFc(Glu99-Ala330) |
| Molecular Weight | The protein has a predicted molecular mass of 50.5 kDa after removal of the signal peptide. The apparent molecular mass of CFD-hFc is approximately 55-70 kDa due to glycosylation. |
| Purity | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| Formulation & Reconstitution | Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| Storage&Shipping | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| Sterility | Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use. |
| Background | This gene encodes a member of the S1, or chymotrypsin, family of serine peptidases. This protease catalyzes the cleavage of factor B, the rate-limiting step of the alternative pathway of complement activation. This protein also functions as an adipokine, a cell signaling protein secreted by adipocytes, which regulates insulin secretion in mice. Mutations in this gene underlie complement factor D deficiency, which is associated with recurrent bacterial meningitis infections in human patients. Alternative splicing of this gene results in multiple transcript variants. At least one of these variants encodes a preproprotein that is proteolytically processed to generate the mature protease. [provided by RefSeq, Nov 2015] |
| Usage | Research use only |
| Conjugate | Unconjugated |



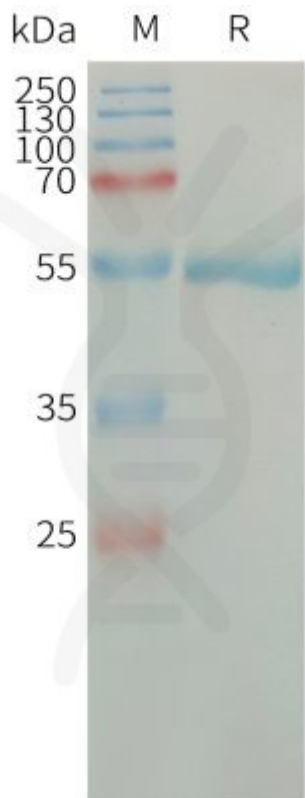


Figure 1. Human CFD Protein, hFc Tag on SDS-PAGE under reducing condition.

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