



Recombinant Pig Complement factor D (CFD)

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| Product Code | CSB-YP005271PI |
| Storage | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| Uniprot No. | P51779 |
| Product Type | Recombinant Protein |
| Immunogen Species | Sus scrofa (Pig) |
| Purity | >85% (SDS-PAGE) |
| Sequence | ILGG QEAKSHERPY MASVQVNGKH VCGGFLVSEQ WVLSAAHCLE DVAEGKLQVL LGAHLSLQPE PSKRLYDVLAVPVPDSDPD TIDHDLKLLK LSEKAELGPA VQPLAWQRED HEVPAGTLCD VAGWGVVSHS GRRPDLRQLL LPVLDRTTC NLRTYHDGTI TERMMCAESN RRDSCCKGDSG GPLVCGGVAE GVVTSGRVC GNRKKPGIYT RLASYVAWID GVMADSAAA |
| Source | Yeast |
| Target Names | CFD |
| Protein Names | Recommended name: Complement factor D EC= 3.4.21.46 Alternative name(s): Adipsin C3 convertase activator Properdin factor D |
| Expression Region | 27-259 |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | Tag type will be determined during the manufacturing process. |
| Protein Length | Full Length of Mature Protein |
| Target Details | 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. |
| Reconstitution | 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. |
| Shelf Life | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. 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. |