Recombinant Pig Complement factor D (CFD)

Product Code	CSB-MP005271PI
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 LGAHSLSQPE PSKRLYDVLR AVPHPDSQPD TIDHDLLLLK LSEKAELGPA VQPLAWQRED HEVPAGTLCD VAGWGVVSHT GRRPDRLQHL LLPVLDRTTC NLRTYHDGTI TERMMCAESN RRDSCKGDSG GPLVCGGVAE GVVTSGSRVC GNRKKPGIYT RLASYVAWID GVMADSAAA
Source	Mammalian cell
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.