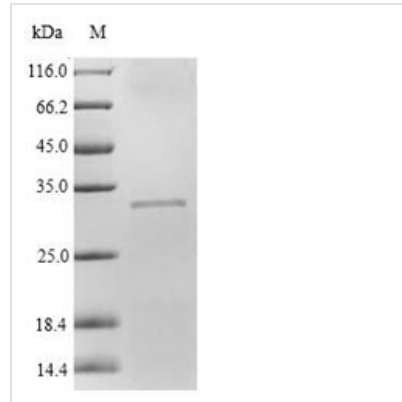




Recombinant Rat Complement factor D (Cfd)

Product Code	CSB-MP005271RA
Relevance	Factor D cleaves factor B when the latter is complexed with factor C3b, activating the C3bbb complex, which then becomes the C3 convertase of the alternate pathway. Its function is homologous to that of C1s in the classical pathway.
Abbreviation	Recombinant Rat Cfd protein
Storage	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.
Uniprot No.	P32038
Alias	Adipsin C3 convertase activator Endogenous vascular elastase Properdin factor D
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	ILGGQEAMAHARPYMASVQVNGTHVCGGTLVDEQWVLSAAHCMDGVTKDEV VQVLLGAHSLSSPEPYKHLYDVQSVVLHPGSRPDSVEDDLMLFKLSHNASLGP HVRPLPLQREDREVKPGTLCDVAGWGVVTHAGRRPDVLQQLTVSIMDRNTC NLRTYHDGAITKNMMCAESNRRDTCRGDSGGPLVCGDAVEAVVTWGSRVCG NRRKPGVFTRVATYVPWIENVLSGNVSVNVTA
Research Area	Immunology
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 Endogenous vascular elastase Properdin factor D
Expression Region	26-263aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	29.8kDa
Protein Length	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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.