

Human CellExpCFD/Adipsin, human recombinant protein
CFD, Adipsin, PFD, DF, Complement factor D
Catalog # PBV11394r**Specification**

Human CellExpCFD/Adipsin, human recombinant protein - Product infoPrimary Accession
Calculated MW[P00746](#)

This protein rh CFD / Adipsin is fused with a polyhistidine tag at the C-terminus, and has a calculated MW of 25.2 kDa. The predicted N-terminus is Ile 26. DTT-reduced Protein migrates as 25 kDa in SDS-PAGE. KDa

Human CellExpCFD/Adipsin, human recombinant protein - Additional InfoGene ID
Gene Symbol**1675**
CFD**Other Names**

CFD, Adipsin, PFD, DF, Complement factor D

Gene Source
Source
Assay&Purity
Assay2&Purity2
Recombinant
Results**Human**
HEK 293 cells
SDS-PAGE; ≥90%
N/A;
Yes
The specific activity is >70 pmol/min/ µg.**Target/Specificity**
CFD/Adipsin**Application Notes**

Centrifuge the vial prior to opening. Reconstitute in PBS, pH 7.4. Do not vortex.

Format

Lyophilized

Storage

-20°C; Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM NaCl, pH 7.5. Normally Mannitol or Trehalose are added as protectants before lyophilization.

Human CellExpCFD/Adipsin, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human CellExpCFD/Adipsin, human recombinant protein - Images**Human CellExpCFD/Adipsin, human recombinant protein - Background**

Complement factor D (CFD) is also known as Adipsin, C3 convertase activator, Properdin factor D (PFD), which contains one peptidase S1 domain and belongs to the peptidase S1 family. CFD / Adipsin 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. CFD / Adipsin is a serine protease that stimulates glucose transport for triglyceride accumulation in fats cells and inhibits lipolysis. Defects in CFD / Adipsin are the cause of complement factor D deficiency which predisposes to invasive meningococcal disease.

Human CellExpCFD/Adipsin, human recombinant protein - References

Relle M.,et al.Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
White R.T.,et al.J. Biol. Chem. 267:9210-9213(1992).
Niemann M.A.,et al.Biochemistry 23:2482-2486(1984).