10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Human CellExpCFD/Adipsin, human recombinant protein

CFD, Adipsin, PFD, DF, Complement factor D
Catalog # PBV11394r

Specification

Human CellExpCFD/Adipsin, human recombinant protein - Product info

Primary Accession	P00746
Calculated MW	**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 Info

Gene ID	**1675**
Gene Symbol	**CFD**

Other Names
CFD, Adipsin, PFD, DF, Complement factor D

Gene Source	**Human**
Source	**HEK 293 cells**
Assay&Purity	**SDS-PAGE; ≥90%**
Assay2&Purity2	**N/A;**
Recombinant	**Yes**
Results	**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 Cytomety
- 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

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White R.T.,et al.J. Biol. Chem. 267:9210-9213(1992).
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