



TEL:4006-871-227 Web:www.ybio.net Email:shybio@126.com

**RPB833Ra01 100µg**

**Recombinant Complement Factor D (CFD)**

**Organism Species: Rattus norvegicus (Rat)**

***Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

11th Edition (Revised in May, 2016)

## **[ PROPERTIES ]**

**Source:** Prokaryotic expression.

**Host:** *E. coli*

**Residues:** Met1~Ala263

**Tags:** N-terminal His-Tag

**Homology:** Human 68%, mouse 83%

**Tissue Specificity:** Liver, **kidney**, brain.

**Subcellular Location:** Secreted.

**Purity:** >95%

**Endotoxin Level:** <1.0EU per 1µg (determined by the LAL method).

**Traits:** Freeze-dried powder

**Buffer formulation:** 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.

**Original Concentration:** 200ug/mL

**Applications:** SDS-PAGE; WB; ELISA; IP; CoIP; Reporter Assays; Purification; Amine Reactive Labeling.

(May be suitable for use in other assays to be determined by the end user.)

**Predicted isoelectric point:** 6.6

**Predicted Molecular Mass:** 30.0kDa

**Accurate Molecular Mass:** 27kDa as determined by SDS-PAGE reducing conditions.



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## [ USAGE ]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## [ STORAGE AND STABILITY ]

**Storage:** Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

## [ SEQUENCE ]

```
MHSSVYLVAL VVLEAAVCVA QPRGRILGGQ EAMAHARPYM ASVQVNGTHV  
CGGTLVDEQW VLSAAHCMDG VTKDEVVQVL LGAHSLSSPE PYKHLYDVQS  
VVLHPGSRPD SVEDDLMLFK LSHNASLGPH VRPLPLQRED REVKPGTLC  
D VAGWGVVTHA GRRPDVLQQL TVSIMDRNTC NLRTYHDGAI TKNMMCAESN  
RRDTCRGDSG GPLVCGDAVE AVVTWGSRVG GNRRKPGVFT RVATYVPWIE  
NVLSGNVSVN VTA
```

## [ IDENTIFICATION ]

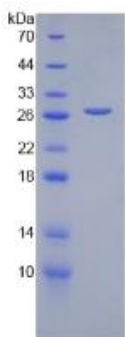


Figure 1. SDS-PAGE