

**RPC425Hu01 50µg**

**Recombinant Cystic Fibrosis Transmembrane Conductance Regulator (CFTR)**

**Organism Species: Homo sapiens (Human)**

***Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY  
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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12th Edition (Revised in Aug, 2016)

## [ **PROPERTIES** ]

**Source:** Prokaryotic expression.

**Host:** *E. coli*

**Residues:** Met1~Gly330

**Tags:** Two N-terminal Tags, His-tag and GST-tag

**Tissue Specificity:** Bronchial Epithelium.

**Subcellular Location:** Early endosome membrane; Multi-pass membrane protein. Cell membrane.

**Purity:** >92%

**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; Purification; Amine Reactive Labeling.

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

**Predicted isoelectric point:** 9.7

**Predicted Molecular Mass:** 68.1kDa

**Accurate Molecular Mass:** 68kDa as determined by SDS-PAGE reducing conditions.

## [ **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 ]

```

MQRSPLEKAS VVSKLFFSWT RPILRKGYRQ RLELSDIYQI PSVDSADNLS
EKLEREWDR E LASKKNPKLI NALRRCFFWR FMFYGIFLYL GEVTKAVQPL
LLGRIIASYD PDNKEERSIA IYLGIGLCLL FIVRTL LLLHP AIFGLHHIGM
QMRIAMFSLI YKKT LK LSSR VLDKISIGQL VSLLSNNLNK FDEGLALAHF
VWIAPLQVAL LMGLIWELLQ ASAF CGLGFL IVLALFQAGL GRMMMKYRDQ
RAGKISERLV ITSEMIENIQ SVKAYCWEEA MEKMIENLRQ TELKLTRKAA
YVRYFNSSAF FFSGFFVFL SVLPYALIKG
    
```

## [ IDENTIFICATION ]

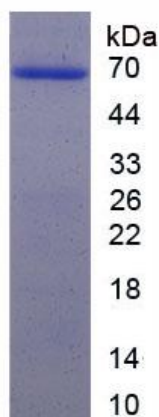


Figure 1. SDS-PAGE