

**RPB171Mu01 100µg**  
**Recombinant Transferrin Receptor (TFR)**  
**Organism Species: Mus musculus (Mouse)**  
***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:** Arg572~Trp757

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

**Tissue Specificity:** Brain.

**Subcellular Location:** Cell membrane; Single-pass type II membrane protein.

Melanosome.

**Purity:** >92%

**Traits:** Freeze-dried powder

**Buffer formulation:** PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and Proclin300.

**Original Concentration:** 200ug/mL

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

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

**Predicted isoelectric point:** 6.5

**Predicted Molecular Mass:** 27.4kDa

**Accurate Molecular Mass:** 29kDa as determined by SDS-PAGE reducing conditions.

## [ **USAGE** ]

Reconstitute in PBS (pH7.4) 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.

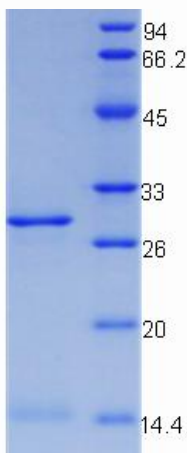
Aliquot and store at -80°C for 12 months.

**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** ]

```
                RLDTYEALT QKVPQLNQMV RTAAEVAGQL  
IIKLTHDVEL NLDYEMYSK LLSFMKDLNQ FKTDIRDMLG SLQWLYSARG  
DYFRATSRLT TDFHNAEKTN RFVMREINDR IMKVEYHFLS PYVSPRESPF  
RHIFWGSGSH TLSALVENLK LRQKNITAFN ETLFRNQLAL ATWTIQGVAN  
ALSGDIW
```

[ **IDENTIFICATION** ]



**Figure 1. SDS-PAGE**