

**RPH789Ra01 100µg**  
**Recombinant Iron Responsive Element Binding Protein 2 (IREB2)**  
**Organism Species: *Rattus norvegicus* (Rat)**  
***Instruction manual***

FOR 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~His343

**Tags:** N-terminal His Tag

**Subcellular Location:** Cytoplasm

**Purity:** > 95%

**Traits:** Freeze-dried powder

**Buffer formulation:** 100mMNaHCO<sub>3</sub>, 500mMNaCl, pH8.3, containing 0.01% SKL, 5% Trehalose.

**Original Concentration:** 200µg/mL

**Applications:** Positive Control; Immunogen; SDS-PAGE; WB.

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

**Predicted isoelectric point:** 5.9

**Predicted Molecular Mass:** 40.9kDa

**Accurate Molecular Mass:** 41kDa as determined by SDS-PAGE reducing conditions.

**[ USAGE ]**

Reconstitute in 100mM NaHCO<sub>3</sub>, 500mM NaCl (pH8.3) 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.

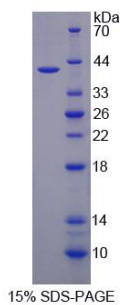
Aliquot and store at -80°C for 12 months.

**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 ]**

MDSPSAGYTF EYLIETLNGS SQKKFFNVPK LGGTKYDILP YSIRVLLEAA  
VRNCDGFLMK KEDVINILDW KTKQSNVEVP FFPARVVLQD FTGIPAMVDF  
AAMREAVKTL GGDPKKVHPA CPTDLTVDHS LQIDFSKCAI QNAPNPGGGD  
LQKAGKLSPL KVQPKKPCR GQTTCRGSCD SGELSRNSGT FSSQIENTPV  
LCPFHLQPVP EPETVLKNQE VEFGRNRERL QFFKWSSGAF KNAVAVIPPGT  
GMAHQVNLEH LSRVVFEEAD LLFPDSVIGT DSHITMVNGL GILGWGVGGI  
ETEAVMLGLP VTLTLPEVVG CELTGSSNAF VTSIDIVLGI TKH

**[ IDENTIFICATION ]**



**[ IMPORTANT NOTE ]**

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.