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**YBB231Ra01 100µg**

**Recombinant Keratin 18 (KRT18)**

**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:** Glu72~Gly380

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

**Tissue Specificity:** Liver, Lung.

**Subcellular Location:** Nucleus matrix. Nucleus, nucleolus. Cytoplasm.

**Purity:** >98%

**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:** 5.2

**Predicted Molecular Mass:** 39.6kDa

**Accurate Molecular Mass:** 40kDa 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.

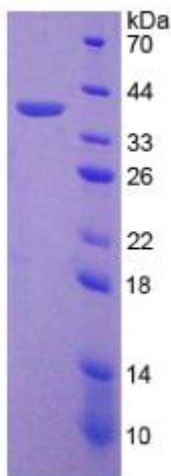
**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration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

## [ SEQUENCE ]

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          EKETMQDLN DRLASYLDKV KNLETENRRL
ESKIREYLEK RGPQGVVDWG HYFKTIEDLR AQIFANSVDN ARIVLQIDNA
RLAADDFRVK YETELAMRQS VESDIHGLRK VVDDTNITRL QLETEIEALK
EELLFMKKNH EEEVQGLEAQ IASSGLTVEV DAPKSQDLSK IMADIRAQYE
QLAQKNREEL DKYWSQIEE STTVVTTKSA EIRDAETLL ELRRTLQTL
IDLD SMKNQN INLENNLGEV EARYRVQMEQ LNGVLLHLES ELAQTRAEGQ
RQTQEYEALL NIKVKLEAEI ATYRRILLEDG
  
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## [ IDENTIFICATION ]





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**Figure 1. SDS-PAGE**