



**RPA516Hu01 200µg**  
**Recombinant Keratin 16 (KRT16)**  
**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:** Glu117~Arg419

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

**Purity:** >98%

**Traits:** Freeze-dried powder

**Buffer formulation:** 10mM PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and Proclin300.

**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:** 4.9

**Predicted Molecular Mass:** 41.9kDa

**Accurate Molecular Mass:** 39kDa as determined by SDS-PAGE reducing conditions.

## [ **USAGE** ]

Reconstitute in 10mM 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.

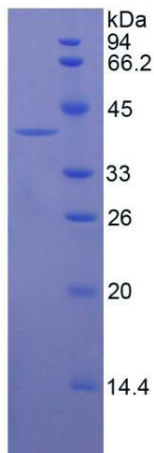
Aliquot and store at -80°C for 12 months.

**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 ]**

EKVT MQNLNDRLAS YLDKVRAL EE ANADLEVKIR  
DWYQRQRPSE IKDYSPLYFKT IEDLRNKIIA ATIENAQPIL QIDNARLAAD  
DFRTKYEHEL ALRQTVEADV NGLRRVLDEL TLARTDLEMQ IEGLKEELAY  
LRKNHEEEML ALRGQTGGDV NVEMDAAPGV DLSRILNEMR DQYEQMAEKN  
RRDAETWFLS KTEELNKEVA SENSELVQSSR SEVTELRRVL QGLEIELQSQ  
LSMKASLENS LEETKGRYCM QLSQIQGLIG SVEEQLAQLR CEMEQQSQEY  
QILLDVKTRL EQEIATYRR

**[ IDENTIFICATION ]**



**Figure 1. SDS-PAGE**