

**RPA416Hu01 10µg**  
**Recombinant Early Growth Response Protein 1 (EGR1)**  
**Organism Species: Homo sapiens (Human)**  
***Instruction manual***

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

---

12th Edition (Revised in Aug, 2016)

## **[ PROPERTIES ]**

**Source:** Prokaryotic expression.

**Host:** *E. coli*

**Residues:** Gln282~Ser433

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

**Subcellular Location:** Nucleus.

**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:** 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:** 10.5

**Predicted Molecular Mass:** 21.3kDa

**Accurate Molecular Mass:** 22kDa 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.

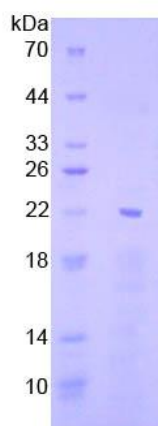
Aliquot and store at -80°C for 12 months.

**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 ]

				QQPSLTPLS	TIKAFATQSG
SQDLKALNTS	YQSQLIKPSR	MRKYPNRPSK	TPPHERPYAC	PVESCRRFS	
RSDELTRHIR	IHTGQKPFQC	RICMRNFSRS	DHLTTHIRTH	TGEKPFACDI	
CGRKFARSDE	RKRHTKIHRL	QKDKKADKSV	VAS		

## [ IDENTIFICATION ]



**Figure 1. SDS-PAGE**