

**RPA905Mu01 10µg**  
**Recombinant Prostaglandin E Synthase 2 (PTGES2)**  
**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:** Tyr144~Asp384

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

**Tissue Specificity:** Brain, Heart, Liver, Kidney.

**Subcellular Location:** Golgi apparatus membrane; Single-pass membrane protein. Nucleus. 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:** 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:** 6.4

**Predicted Molecular Mass:** 31.3kDa

**Accurate Molecular Mass:** 30kDa 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.

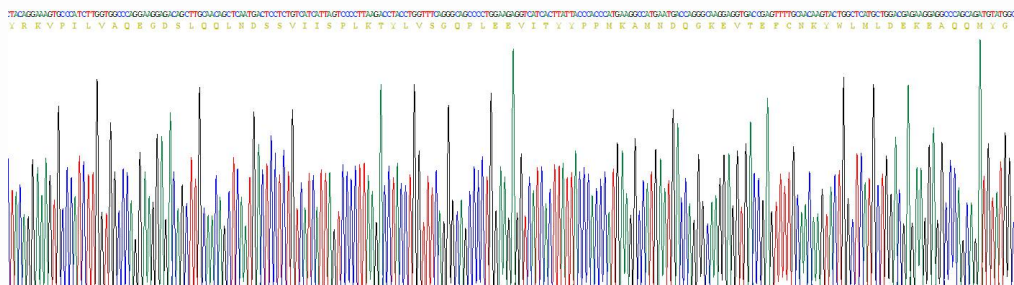
**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration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

## [ SEQUENCE ]

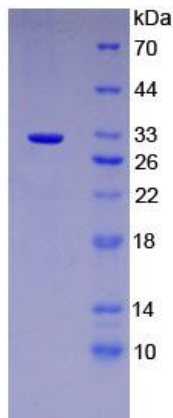
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                                YRKVPIL
VAQEGDSLQQ LNDSSVIISA LKTYLVSGQP LEEVITYYPP MKAMNDQGKE
VTEFCNKYWL MLDEKEAQQM YGGKEARTEE MKWRQWADDW LVHLISPNVY
RTPAEALASF DYIVREGKFG AVEAAMAKYV GAAAMYLSIK RLKSRHHLQD
DVRVDLYEAA NKWVTAVGKD RPFMGGQKPN LADLAVYGV LRVMEGLEAFD
DLMRHSHIQP WYLRMERAIE EAPSVHHVNP SKCD
    
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## [ IDENTIFICATION ]



**Figure 1. Gene Sequencing (Extract)**



**Figure 2. SDS-PAGE**