

**RPA099Mu02 10µg**

**Recombinant Matrix Metalloproteinase 13 (MMP13)**

**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:** Asp286~Arg462

**Tags:** N-terminal His Tag

**Subcellular Location:** Secreted, Extracellular matrix

**Purity:** > 97%

**Traits:** Freeze-dried powder

**Buffer formulation:** PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 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:** 6.1

**Predicted Molecular Mass:** 22.2kDa

**Accurate Molecular Mass:** 22kDa 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.

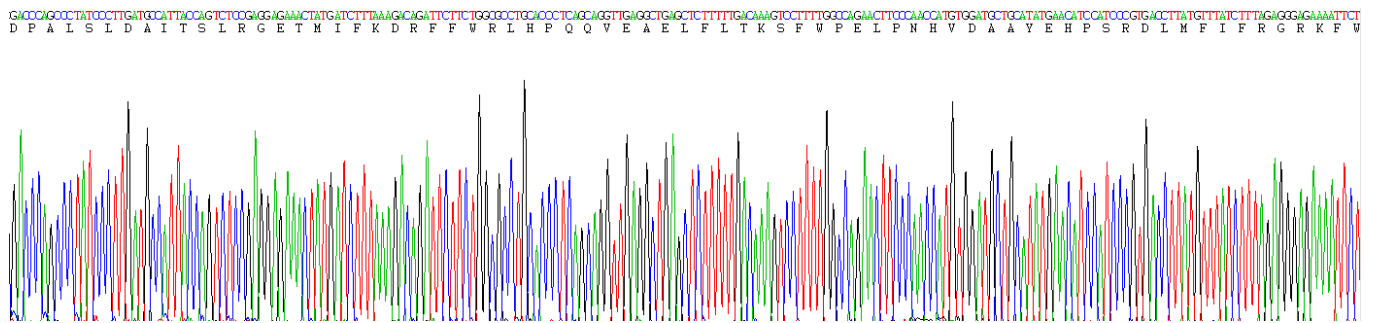
Aliquot and store at -80°C for 12 months.

**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.

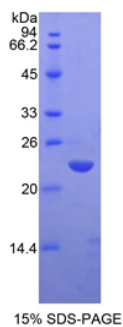
## **[ SEQUENCE ]**

DPALS LDAITSLRGE  
 TMIFKDRFFW RLHPQQVEAE LFLTKSFWE LPNHVDAAYE HPSRDLMFIF  
 RGRKFWALNG YDILEGYPRK ISDLGFPKEV KRLSAAVHFE NTGKTLFFSE  
 NHVWSYDDVN QTMDKDYPRL IEEFPGIGN KVDVYEKNG YIYFFNGPIQ  
 FEYSIWSNRI VR

## [ IDENTIFICATION ]



**Figure. Gene Sequencing (Extract)**



## [ IMPORTANT NOTE ]

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