RPA101Mu01 50µg

Recombinant Matrix Metalloproteinase 3 (MMP3)

Organism Species: *Mus musculus (Mouse)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Phe100~Cys477

Tags: N-terminal His Tag

Subcellular Location: Secreted, Extracellular matrix

Purity: > 97%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT,

0.01% SKL, 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: 5.9

Predicted Molecular Mass: 46.3kDa

Accurate Molecular Mass: 46kDa 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 2-8ºC for one month.

      Aliquot and store at -80ºC 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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                                                                    F
STFPGSPKWR  KSHITYRIVN  YTPDLPRQSV  DSAIEKALKV  WEEVTPLTFS
RISEGEADIM  ISFAVGEHGD  FVPFDGPGTV  LAHAYAPGPG  INGDAHFDDD
ERWTEDVTGT  NLFLVAAHEL  GHSLGLYHSA  KAEALMYPVY  KSSTDLSRFH
LSQDDVDGIQ  SLYGTPTASP  DVLVVPTKSN  SLEPETSPMC  SSTLFFDAVS
TLRGEVLFFK  DRHFWRKSLR  TPEPEFYLIS  SFWPSLPSNM  DAAYEVTNRD
TVFIFKGNQF  WAIRGHEELA  GYPKSIHTLG  LPATVKKIDA  AISNKEKRKT
YFFVEDKYWR  FDEKKQSMEP  GFPRKIAEDF  PGVDSRVDAV  FEAFGFLYFF
SGSSQLEFDP  NAKKVTHILK  SNSWFNC
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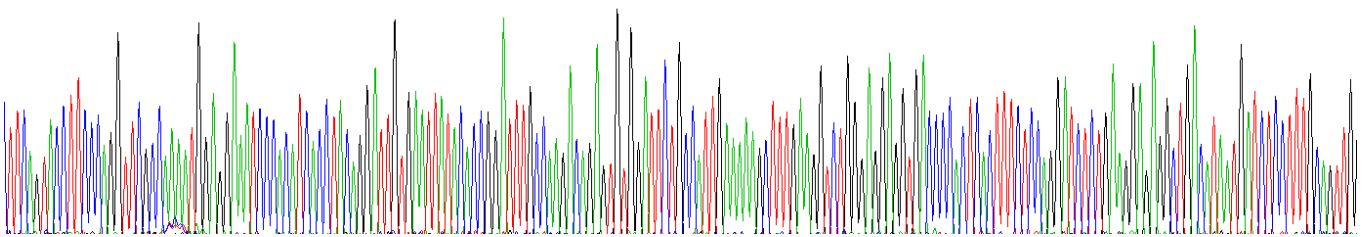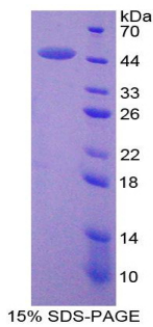
[IDENTIFICATION]

CTTCAGTACCTTCCCAGGTTCGGCCAAAATGGAGGAAATCCCACATCACCTACAGGATTGTGAATTATACACCGGATTTGCCAAGACAGAGTGTGGATTCTGCCATTGAAAAAGCTTTGAAGGTCTGGGAGGAGGTGACCCCACTCACTTTCTCCAGGATCTCTGAAGGAGAGGCTGACATAATGATCTCCTTTGCAGTTGG
F S T F P G S P K W R K S H I T Y R I V N Y T P D L P R Q S V D S A I E K A L K V W E E V T P L T F S R I S E G E A D I M I S F A V G

Figure. Gene Sequencing (Extract)

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       kDa
       70
       44

       33
       26

       22
       18

       14

       10
15% SDS-PAGE
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[IMPORTANT NOTE]

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