RPA101Po01 100ug

Recombinant Matrix Metalloproteinase 3 (MMP3)

Organism Species: *Sus scrofa; Porcine (Pig)*

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: Tyr18~Cys477

Tags: N-terminal His Tag

Subcellular Location: Secreted, Extracellular matrix

Purity: > 90%

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: 5.4

Predicted Molecular Mass: 56.0kDa

Accurate Molecular Mass: 56kDa 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.
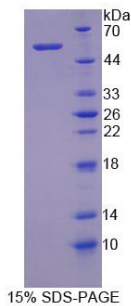
Store at 2-8ºC for one month.

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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                 YPV  DRAAVDKDDS  MDFVQKYLED  YYNLTKDVKQ
VVRRKDSSLV  VKKIQEMQKF  LGLEVTGKLD  SNTLEVMHKP  RCGVPDVGYF
STFPGLPKWR  KNDLTYRIVN  YTLDLPRSVI  DSTIEKALKI  WEEVTPLTFS
KISEGEADIM  ITFAVREHGD  FSPFDGPGKV  LAHAYAPGPG  IYGDAHFDDD
EQWTKDTSGV  NLFLVAAHEL  GHSLGLFHST  DSNALMYPVY  NPLTDLARFR
LSQDDVNGIQ  SLYGPPPASP  PEPVEPTEST  PPEPGTPATC  DPALSFDAIS
TLRGEILFFK  DRHFWRKSFR  RLEPEFHLIS  SFWPPLPSSI  DAACEVISKD
TVFIFKGTQF  WAIRGNDVQP  GYPRSIHTLG  FPSTVKKIDA  AISDKETKKT
YFFVEDKYWR  FDEKRQSMEP  GFPKQIVEDF  PGVEPKVDAV  FEAFGFFYFF
NGSSQFEFDP  NAKKVTHVLK  SNKWLNC
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[IDENTIFICATION]

15% SDS-PAGE

[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.