

RPA098Po01 100ug

Recombinant Matrix Metalloproteinase 10 (MMP10)

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

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[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: PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.

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: 5.65

Predicted Molecular Mass: 56kDa

Accurate Molecular Mass: 58kDa 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.

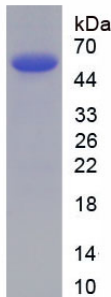
Aliquot and store at -80°C for 12 months.

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]

YPVDRAAVDKDDSMDFVQKYLEDYNNLT KDVKQVRRK DSSLV
VKKI QEMQKFLGLEVTGKLDSENTLEVMHKPRCGVPDVG YFSTFPGLPKWRKNDLTYRIVN
YTLDLPRSVIDSTIEKALKIWE E V T P L T F S K I S E G E A D I M I T F A V R E H G D F S P F D G P G K V
LAHAYAPGPGIYGEAHFDDDEQWTKDTS G V N L F L V A A H E L G H S L G L F H S T D S N A L M Y P V Y
NPLTDLARFRLSQDDVNGIQSLY G P P P A S P P E P V E P T E S T P Q K P G T P A T C D P A L S F D A I S
TLRGEILFFKDRHFWRKSFRRL E P E F H L I S S F W P P L P S S I D A A C E V I S K D T V F I F K G T Q F
WAIRGNDVQPGYPRSIHTLGF PSTVKKIDAAI S D K E T K K T Y F F V E D K Y W R F D E K R Q S M E P
GFPKQIVDFPGVEPKVDAVFEAFGFFYFFNGSSQFEFDPNAKKVTHVLKSNKWLNC

[IDENTIFICATION]



[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.