

RPC056Mu01 1mg Recombinant Matrix Metalloproteinase 14 (MMP14) Organism Species: *Mus musculus (Mouse) Instruction manual* 

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

# Cond-Clone Corp.

### [PROPERTIES]

**Source:** Prokaryotic expression

Host: E.coli

Residues: His121~Asn487

Tags: N-terminal His Tag

Subcellular Location: Membrane, Cytoplasm, Extracellular matrix

**Purity:** > 80%

Traits: Freeze-dried powder

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

Original Concentration: 400µg/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: 46.0kDa

Accurate Molecular Mass: 44kDa as determined by SDS-PAGE reducing conditions.

### [<u>USAGE</u>]

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.

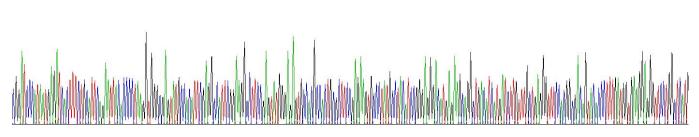
**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration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

#### [SEQUENCE]

# Control Cloud-Clone Corp.

HNEITFCIQN YTPKVGEYAT FEAIRKAFRV WESATPLRFR EVPYAYIREG HEKQADIMIL FAEGFHGDST PFDGEGGFLA HAYFPGPNIG GDTHFDSAEP WTVQNEDLNG NDIFLVAVHE LGHALGLEHS NDPSAIMAPF YQWMDTENFV LPDDDRRGIQ QLYGSKSGSP TKMPPQPRTT SRPSVPDKPK NPAYGPNICD GNFDTVAMLR GEMFVFKERW FWRVRNNQVM DGYPMPIGQF WRGLPASINT AYERKDGKFV FFKGDKHWVF DEASLEPGYP KHIKELGRGL PTDKIDAALF WMPNGKTYFF RGNKYYRFNE EFRAVDSEYP KNIKVWEGIP ESPRGSFMGS DEVFTYFYKG NKYWKFN

# [IDENTIFICATION]



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Figure . Gene Sequencing (extract)

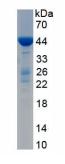


Figure. SDS-PAGE

## [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.