RPA098Hu01 10μg

Recombinant Matrix Metalloproteinase 10 (MMP10)

Organism Species: *Homo sapiens (Human)*

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: Phe99~Cys476

Tags: N-terminal His Tag

Subcellular Location: Secreted

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% skl, 5%Trehalose.

Original Concentration: 100μg/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: 5.5

Predicted Molecular Mass: 44.3kDa

Accurate Molecular Mass: 44kDa 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 2-8⁰C for one month.

Aliquot and store at -80⁰C 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]

```
SFPGMPKWRK  THLTYRIVNY  TPDLPRDAVD  SAIEKALKVW  EEVTPLTFSR
LYEGEADIMI  SFAVKEHGDF  YSFDGPGHSL  AHAYPPGPGL  YGDIHFDDDE
KWTEDASGTN  LFLVAAHELG  HSLGLFHSAN  TEALMYPLYN  SFTELAQFRL
SQDDVNGIQS  LYGPPPASTE  EPLVPTKSVP  SGSEMPAKCD  PALSFDAIST
LRGEYLFFKD  RYFWRRSHWN  PEPEFHLISA  FWPSLPSYLD  AAYEVNSRDT
VFIFKGNEFW  AIRGNEVQAG  YPRGIHTLGF  PPTIRKIDAA  VSDKEKKKTY
FFAADKYWRF  DENSQSMEQG  FPRLIADDFP  GVEPKVDAVL  QAFGFFYFFS
GSSQFEFDPN  ARMVTHILKS  NSWLHC
```

[IDENTIFICATION]

15% SDS-PAGE
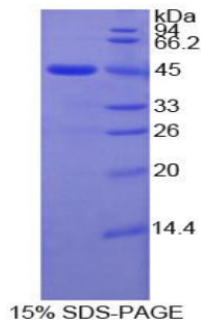
[IMPORTANT NOTE]

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.