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# Recombinant Matrix Metalloproteinase 10 (MMP10)

**Catalog Number: SIPA494Ra01** **Spec: 10ug**

| | |
|---|---|
| **Product Name** | Recombinant Matrix Metalloproteinase 10 (MMP10) |
| **Catalog Number** | SIPA494Ra01 |
| **Organism Species** | Rat |
| **Source** | Prokaryotic expression |
| **Host** | E.coli |
| **Residues** | Glu154~Thr465 |
| **Tags** | N-terminal His Tag |
| **Subcellular Location** | Secreted, Extracellular matrix |
| **Purity** | > 90% |
| **Traits** | Freeze-dried powder |
| **Buffer formulation** | PBS, pH7.4, containing 0.01% Sarcosyl, 5% Trehalose. |
| **Original Concentration** | 80μg/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** | 6.0 |
| **Predicted Molecular Mass** | 38.9kDa |
| **Accurate Molecular Mass** | 39kDa as determined by SDS-PAGE reducing conditions. |

**[ USAGE ]**

Reconstitute in ddH2O to a concentration of 0.1-0.5 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 ]**

EGEADIM ISFAVGEHGD FYPFDGVGQS LAHAYPPGPG FYGDAHFDDD
EKWSLGPSGT NLFLVAAHEL GHSLGLFHSN NKESLMYPVY RFSTSQANIR
LSQDDIEGIQ SLYGARPSSD ATVVPVPSVS PKPETPVKCD PALSFDAVTM
LRGEFLFFKD RHFWRRTQWN PEPEFHLISA FWPSLPSGLD AAYEANNKDR
VLIFKGSQFW AVRGNEVQAG YPKRIHTLGF PPTVKKIDAA VFEKEKKKTY
FFVGDKYWRF DETRQLMDKG FPRLITDDFP GIEPQVDAVL HAFGFFYFFC
GSSQFEFDPN ARTVT

**[ IDENTIFICATION ]**

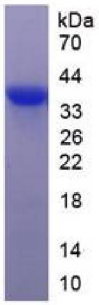



Figure. SDS-PAGE

**[ 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.