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# Recombinant Matrix Metalloproteinase 10 (MMP10)

**Catalog Number: SIPA494Mu01** **Spec: 50ug**

| | |
|---|---|
| **Product Name** | Recombinant Matrix Metalloproteinase 10 (MMP10) |
| **Catalog Number** | SIPA494Mu01 |
| **Organism Species** | Mouse |
| **Source** | Prokaryotic expression |
| **Host** | E.coli |
| **Residues** | Glu154~Ser472 |
| **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 0.01% Sarcosyl, 5%Trehalose. |
| **Original Concentration** | 450μg/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** | 5.7 |
| **Predicted Molecular Mass** | 39.7kDa |
| **Accurate Molecular Mass** | 40kDa 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 ]**

EGEADIM ISFAVGEHGD FYPFDGPGQS LAHAYPPGPG FYGDVHFDDD
EKWTLAPSGT NLFLVAAHEL GHSLGLFHSD KKESLMYPVY RFSTSPANFH
LSQDDIEGIQ SLYGAGPSSD ATVVPVLSVS PRPETPDKCD PALSFDSVST
LRGEVLFFKD RYFWRRSHWN PEPEFHLISA FWPTLPSDLD AAYEAHNTDS
VLIFKGSQFW AVRGNEVQAG YPKGIHTLGF PPTVKKIDAA VFEKEKKKTY
FFVGDKYWRF DETRHVMDKG FPRQITDDFP GIEPQVDAVL HEFGFFYFFR
GSSQFEFDPN ARTVTHILKS NS

**[ IDENTIFICATION ]**

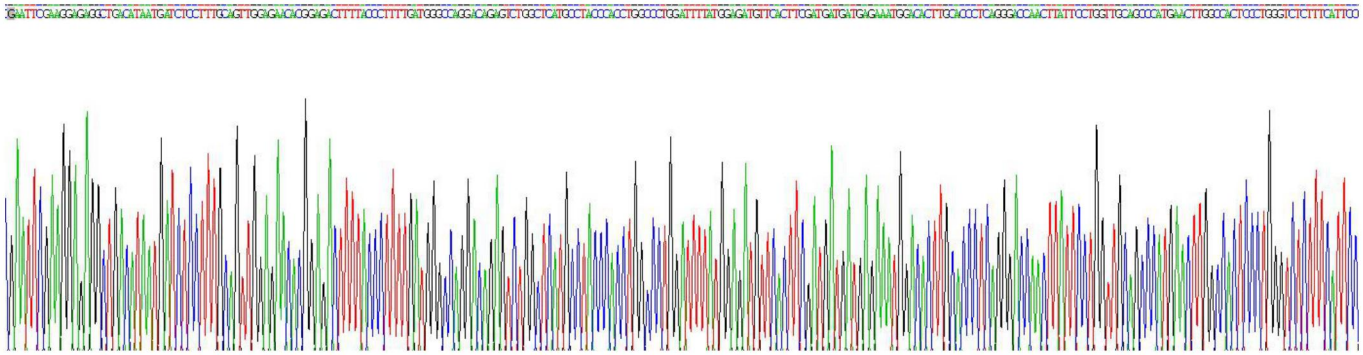
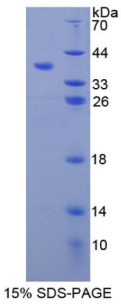


Figure . Gene Sequencing (extract)




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.