

# Recombinant Matrix Metalloproteinase 3 (MMP3) Instruction Manual

**SIPA607Hu04**

**Homo sapiens (Human)**

<b>Source</b>	Prokaryotic expression
<b>Host</b>	E.coli
<b>Endotoxin Level</b>	<1.0EU per 1µg (determined by the LAL method)
<b>Subcellular Location</b>	Secreted, Extracellular matrix
<b>Predicted Molecular Mass</b>	55.9kDa
<b>Accurate Molecular Mass</b>	56kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Tyr18~Cys477 with N-terminal His Tag
<b>Buffer Formulation</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
<b>Traits</b>	Freeze-dried powder
<b>Purity</b>	> 90%
<b>Isoelectric Point</b>	5.9
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

## SEQUENCE

```
YPL DGAARGEDTS MNLVQKYLEN YYDLKKDVKQ
FVRRKDSGPV VKKIREMQKF LGLEVTGKLD SDTLEVMRKP RCGVPDVGHF
RTFPGIPKWR KTHLYRIVN YTPDLPKDAV DSAVEKALKV WEEVTPLTFS
RLYEAGEADIM ISFAVREHGD FYPFDGPGNV LAHAYAPGPG INGDAHFDDE
EQWTKDTTGT NLFLVAAHEI GHSLGLFHSA NTEALMYPLY HSLTDLTRFR
LSQDDINGIQ SLYGPPPDSP ETPLVPTEPV PPEPGTPANC DPALSFDAVS
TLRGEILIFK DRHFWRKSLR KLEPELHLIS SFWPSLPSGV DAAYEVTSKD
LVFIFKGNQF WAIRGNEVRA GYPRGIHTLG FPPTVRKIDA AISDKEKNKT
YFFVEDKYWR FDEKRNSMEP GFPKQIAEDF PGIDSKIDAV FEEFGFFYFF
TGSSQLEFDP NAKKVTHTLK SNSWLNC
```

## USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

## STABILITY

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.

## Image



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.