

Recombinant Matrix Metalloproteinase 3 (MMP3) Instruction Manual

SIPA607Bo01

Bos taurus; Bovine (Cattle)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Secreted, Extracellular matrix
Predicted Molecular Mass	56.3kDa
Accurate Molecular Mass	56kDa(Analysis of differences refer to the manual)
Residues & Tags	Tyr18~Cys477 with N-terminal His Tag
Buffer Formulation	100mMNaHCO ₃ , 500mMNaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 95%
Isoelectric Point	5.3
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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YPL DRAARDKEDT MELVQQYLEN YYNLAKDTKQ FVRRKDSSPV
VQKIQEMQKF LGLEVTGKLD SDTLEVIRKP RCGIPDVGFF STFPGSPKWR KTHLTYRIVN
YTKDLPRDAV DSAIEKALTV WEEATPLTFS RIYEGEADIM IIFAIREHGD FLPFDGPGKV
LAHAYPPGSG FYGDAHFDDE EQWTKDTSKI NLFLVAAHEL GHSLGLQHST EREALMYPVY
DPRDLDLRFK LSQDDVDGIQ FLYGSPVSP NDPVVPTESV PPEPGTPAAC DPALSFDAVS
TLRGEILFFK GRHFWRKSFY TFEPEFHLS SFWPSLPSGI DAAVEVTSKD TVFIFKGNQF
WAIRGNEMQA GYPRGIHTLG FPSTVRKIDA AFSDKEKKKT YFFAEDKYWR FDEKRQSMEP
GFPKQIVEDF PGVESEVDAV FEVFGFYFF SGSSQFEFDP NAKKVTHVLK SNSWLNC
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USAGE

Reconstitute in 100mM NaHCO₃, 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

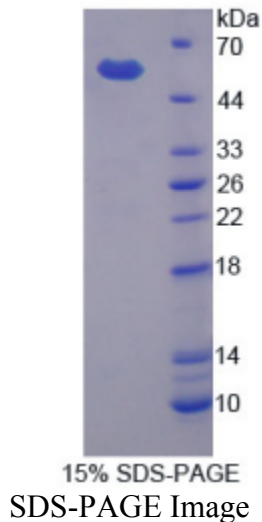
STORAGE

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



[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.