



**YBA101Mu01 50 $\mu$ g**  
**Recombinant Matrix Metalloproteinase 3 (MMP3)**  
**Organism Species: *Mus musculus* (Mouse)**

***Instruction manual***

**FOR IN VITRO USE AND RESEARCH USE ONLY**  
**NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES**

9th Edition (Revised in Jul, 2013)

**[ PROPERTIES ]**

**Residues:** Phe100~Cys477 (Accession # P28862), with two N-terminal Tags, His-tag and T7-tag.

**Host:** *E. coli*

**Subcellular Location:** Secreted, extracellular space, extracellular matrix.

**Purity:** >95%

**Endotoxin Level:** <1.0EU per 1 $\mu$ g (determined by the LAL method).

**Formulation:** Supplied as lyophilized form in 20mM Tris, 500mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.

**Predicted isoelectric point:** 5.9

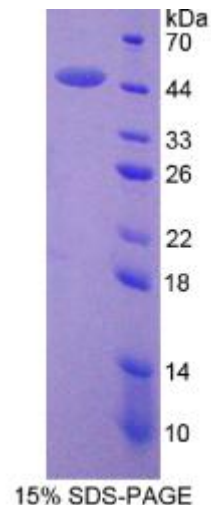
**Predicted Molecular Mass:** 46.5kDa

**Applications:** SDS-PAGE; WB; ELISA; IP.

(May be suitable for use in other assays to be determined by the end user.)

**[ USAGE ]**

Reconstitute in sterile PBS, pH7.2-pH7.4.





## **[ STORAGE AND STABILITY ]**

**Storage: Avoid repeated freeze/thaw cycles.**

**Store at 2-8°C for one month.**

**Aliquot and store at -80°C for 12 months.**

**Stability Test: The thermal stability is described by the loss rate of the target protein. 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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.**

## **[ SEQUENCES ]**

**The target protein is fused with two N-terminal Tags, His-tag and T7-tag, its sequence is listed below.**

**MGSSHHHHH SSSLVPRGSH MASMTGGQQM GRGSEF- F STFPGSPKWR KSHITYRIVN  
YTPDLPRQSV DSAIEKALKV WEEVTPLTFS RISEGEADIM ISFAVGEHGD FVPFDGPGTV  
LAHAYAPGPG INGDAHFD DD ERWTEVDVTGT NLFLVAAHEL GHSLGLYHSA KAEALMPVY  
KSSTDLSRFH LSQDDVDGIQ SLYGTPTASP DVLVVPTKSN SLEPETSPMC SSTLFFDAVS  
TLRGEVLFFK DRHFWRKSLR TPEPEFY LIS SFWPSLPSNM DAAYEVTNRD TVFIFKGNQF  
WAIRGHEELA GYPKSIHTLG LPATVKKIDA AISNKEKRKT YFFVEDKYWR FDEKKQSMEP  
GFPRKIAEDF PGVDSRVDAV FEAFGFLYFF SGSSQLEFDP NAKKVTHILK SNSWFNC**

## **[ REFERENCES ]**

- 1. Brenner C.A., *et al.* (1989) *Genes Dev.* 3:848-859.**
- 2. Reunanen N., *et al.* (2002) *J. Biol. Chem.* 277:32360-32368.**
- 3. Zhou J., *et al.* (2002) *J. Virol.* 76:7374-7384.**
- 4. Maquoi E., *et al.* (2003) *Thromb. Haemost.* 89:696-704.**