

**ICA100Hu01 50µg**  
**Recombinant Matrix Metalloproteinase 2 (MMP2)**  
**Organism Species: Homo sapiens (Human)**  
*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:** Tyr445~Cys660 (Accession # P08253), with N-terminal His-Tag.

**Host:** *E. coli*

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

**Purity:** >95%

**Endotoxin Level:** <1.0EU per 1µg (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:** 6.4

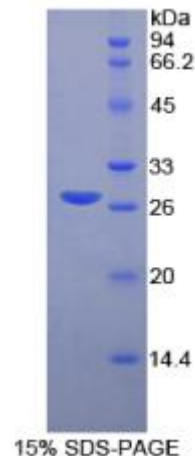
**Predicted Molecular Mass:** 25.9kDa

**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 N-terminal His-Tag, its sequence is listed below.

MGHHHHHSGSEF-YGASPD IDLGTGPTPT LGPVTPEICK QDIVFDGIAQ IRGEIFFFKD  
RFIWRVTTPR DKPMGPLLVA TFWPELPEKI DAVYEAPQEE KAVFFAGNEY WIYSASTLER  
GYPKPLTSLG LPPDVQRVDA AFNWSKNKKT YIFAGDKFWR YNEVKKKMDP GFPKLIADAW  
NAIPDNLDAV VDLQGGGHSY FFKGAYYLKL ENQSLKSVKF GSIKSDWLGC

## **[ REFERENCES ]**

1. Brooks P.C., *et al.* (1996) *Cell* 85:683-693.
2. Butler G.S., *et al.* (1997) *Eur. J. Biochem.* 244:653-657.
3. Bello L., *et al.* (2001) *Cancer Res.* 61:8730-8736.
4. Chattopadhyay N., *et al.* (2001) *J. Cancer Res. Clin. Oncol.* 127:653-658.