SunLong Biotech Co.,LTD
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Recombinant Matrix Metalloproteinase 13 (MMP13)

Catalog Number: SIPA066Ra02 **Spec: 100ug**

Product Name	Recombinant Matrix Metalloproteinase 13 (MMP13)
Catalog Number	SIPA066Ra02
Organism Species	Rat
Residues	Asp280~Val455 (Accession # P23097), with N-terminal His-Tag.
Host	E. coli
Subcellular Location	Secreted, extracellular space, extracellular matrix.
Purity	>95%
Endotoxin Level	<1.0EU per 1μg (determined by the LAL method).
Formulation	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Predicted isoelectric point	5.9
Predicted Molecular Mass	22.0kDa
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 2-8oC for one month.

Aliquot and store at -80oC 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 37oC 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.

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[SEQUENCES]

The target protein is fused with N-terminal His-Tag, its sequence is listed below. MGHHHHHHSGS- D PALSLDAITS LRGETMIFKD RFFWRLHPQQ VEPELFLTKS FWPELPNHVD AAYEHPSRDL MFIFRGRKFW ALNGYDIMEG YPRKISDLGF PKEVKRLSAA VHFEDTGKTL FFSGNHVWSY DDANQTMDKD YPRLIEEEFP GIGDKVDAVY EKNGYIYFFN GPIQFEYSIW SNRIV

[REFERENCES]

1. Quinn C.O., et al. (1990) J. Biol. Chem. 265:22342-22347. 2. Sasano Y., et al. (2002) J. Histochem. Cytochem. 50:325-332. 3. Shum J.K., et al. (2002) J. Biol. Chem. 277:42830-42840. 4. Nishio T., et al. (2003) J. Hepatol. 38:468-475.