

FOR IN VITRO RESEARCH USE ONLY.  
NOT FOR USE IN HUMANS OR ANIMALS.

# Recombinant human MMP13 protein



## Basic Information

**Catalog Number:**  
Ag34892

**Size:**  
50 µg

**Form:**  
Available lyophilized

**Species:**  
human

**Expression Source:**  
*e coli*-derived, PET28a, with N-terminal 6<sup>°</sup>His.

**Biological Activity:**  
Not tested

**Endotoxin Level:**  
Please contact the lab for more information

**Peptide Sequence:**  
DVG EY N V F P R T L K W S K M N L T Y R I V N Y T P D M T H S E V E K  
A F K K A F K V W S D V T P L N F T R L H D G I A D I M I S F G I K E H G D  
F Y P F D G P S G L L A H A F P P G P N Y G G D A H F D D D E T W T S S  
S K G Y N L F L V A A H E F G H S L G L D H S K D P G A L M F P I Y T Y G  
K S H F M L P D D D V Q G I Q S L Y G P G D E D P N P K H P K T P D K C  
D P S L S L D A I T S L R G E T M I F K D R F F W R L H P Q Q V D A E L F L  
T K S F W P E L P N R I D A A Y E H P S H D L I F I F R G R K F W A L N G Y  
D I L E G Y P K K I S E L G L P K E V K K I S A A V H F E D T G K T L L F S G  
N Q V W R Y D D T N H I M D K D Y P R L I E E D F P G I G D K V D A V Y  
E K N G Y I Y F N G P I Q F E Y S I W S N R I V R V M P A N S I L W C  
(100-471 aa encoded by BC074808)

## Reconstitution and Storage

**Reconstitution:**  
Reconstitute at 0.25 µg/ µl in 200 µl sterile water for short-term storage.  
After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage (see Stability and Storage for more details).  
If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used).  
Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

**Shipping:**  
The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature (see below).

## Purity

85%, by SDS-PAGE with Coomassie Brilliant Blue staining.

## Formulation

The purified protein was Lyophilized from sterile PBS (58mM Na<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.

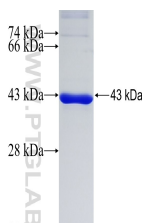
## Stability and Storage

Store for up to 12 months at -20°C to -80°C as lyophilized powder.

## Storage of Reconstituted Protein

**Short Term Storage:**  
Store at 2-8°C for (1-2 weeks).  
**Long Term Storage:**  
Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

## Selected Validation Data



For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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