# **Human MMP13 Recombinant protein (His tag)**

Catalog Number: 510018



## **General Information**

## Gene Name Synonym

EC 3.4.24.-; Matrix metalloproteinase-13; MMP-13

#### **Protein Construction**

A DNA sequence encoding the human MMP13 (NP\_002418.1) 100-471 aa was fused with the polyhistidine tag

## Organism

Human

## **Expression Host**

E. coli

# **QC Testing**

## Activity

Not tested.

#### **Endotoxin**

Please contact the lab for more information.

### **Stability**

Store for up to 12 months at -20 $^{\circ}$ C to -80 $^{\circ}$ C as lyophilized powder.

#### **Formulation**

Protein lyophilized in sterile PBS (58 mM Na2HPO4, 17 mM NaH2PO4, 68 mM NaCl, 300 mM Imidazole, pH 8.0). Trehalose (5-8%) and mannitol (5-8%) protectants were added before

lyophilization.

## **Usage Guide**

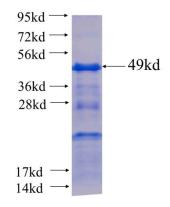
## Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Reconstitute at  $0.25~\mu g/\mu l$  in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer 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.

#### **SDS-PAGE**



Recombinant human MMP13 SDS-PAGE