# **Human MMP-8 / MMP8 recombinant protein**

Catalog Number: 500290



## **General Information**

## Gene Name Synonym

Matrix metalloproteinase-8; PMNL collagenase

## **Protein Construction**

A DNA sequence encoding the pro form of human MMP8 (NP\_002415.1) (Phe 21-Gly 467) was expressed and purified, with an initial Met at the N-terminus.

## **Organism**

Human

## **Expression Host**

**Human Cells** 

# **QC Testing**

#### **Activity**

Measured by its ability to cleave the fluorogenic peptide substrate, Mca-PLGL-Dpa-AR-NH2 (AnaSpec, Catalog # 27076). The specific activity is > 400 pmoles/min/µg.

#### **Purity**

> 92 % as determined by SDS-PAGE

## **Endotoxin**

< 1.0 EU per  $\mu g$  of the protein as determined by the LAL method

## **Stability**

Samples are stable for up to twelve months from date of receipt at -70°C

#### Predicted N terminal

Met.

#### **Molecular Mass**

The recombinant human MMP8 consisting of 448 amino acids and has a calculated molecular mass of 52 kDa. It migrates as an approximately 65 kDa band in SDS-PAGE under reducing conditions.

#### **Formulation**

Lyophilized from sterile PBS, pH 7.4

- 1. 5 % trehalose and mannitol are added as protectants before lyophilization.
- 2. Please contact us for any concerns or special requirements.

# **Usage Guide**

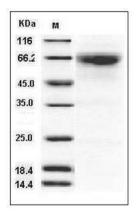
## **Storage**

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

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

#### **SDS-PAGE**



Human MMP-8 / CLG1 Protein SDS-PAGE