

PRODUCT INFORMATION

Target MMP13

MMP-13; Collagenase 3; Matrix **Synonyms**

metalloproteinase-13

Recombinant mouse MMP13 protein with C-**Description**

terminal 6×His tag

Delivery In Stock **Uniprot ID** P33435 **Expression Host HEK293** C-6×His Tag Tag

Molecular

Background

Mouse MMP13(Leu20-Cys472) 6×His tag Characterization

The protein has a predicted molecular mass of

52.8 kDa after removal of the signal peptide. The **Molecular Weight** apparent molecular mass of mMMP13-His is

approximately 55-70 kDa due to glycosylation. The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue

Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before Formulation & lyophilization. Please see Certificate of Analysis Reconstitution

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

This gene encodes a member of the peptidase M10 family of matrix metalloproteinases (MMPs). Proteins in this family are involved in the breakdown of extracellular matrix in normal

physiological processes, such as embryonic development, reproduction, and tissue

remodeling, as well as in disease processes, such as arthritis and metastasis. The encoded

preproprotein is proteolytically processed to generate the mature protease. This protease cleaves type II collagen more efficiently than types I and III. It may be involved in articular cartilage turnover and cartilage pathophysiology associated with osteoarthritis. Mutations in this gene are associated with metaphyseal

> Email: info@dimabio.com Website: www.dimabio.com

anadysplasia. This gene is part of a cluster of MMP genes on chromosome 11. [provided by

RefSeq, Jan 2016]

Usage Research use only

Conjugate Unconjugated





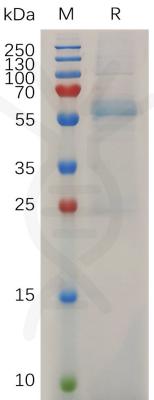


Figure 1. Mouse MMP13 Protein, His Tag on SDS-PAGE under reducing condition.

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