

Datasheet for ABIN7490695

**MMP13 Protein (AA 20-471) (His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µg
Target:	MMP13
Protein Characteristics:	AA 20-471
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MMP13 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant human MMP13 Protein with C-terminal 6xHis tag
Specificity:	MMP13 (Leu20-Cys471) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

## Target Details

Target:	MMP13
Alternative Name:	MMP13 ( <a href="#">MMP13 Products</a> )
Background:	This gene encodes a member of the peptidase M10 family of matrix metalloproteinases

## Target Details

(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 anadysplasia. This gene is part of a cluster of MMP genes on chromosome 11. [provided by RefSeq, Jan 2016]

Molecular Weight: predicted molecular mass of 52.5 kDa after removal of the signal peptide. The apparent molecular mass of MMP13-His is 55-70 kDa due to glycosylation.

UniProt: [P45452](#)

## Application Details

Restrictions: For Research Use only

## Handling

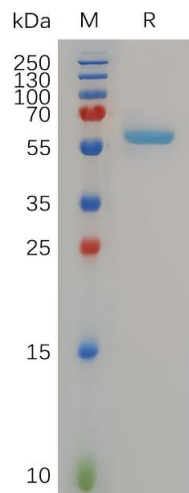
Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C,-80 °C

Storage Comment: 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).  
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months



SDS-PAGE

**Image 1.** Human , His Tag on SDS-PAGE under reducing condition.