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## Datasheet for ABIN7490727 MMP13 Protein (Fc Tag)

### Overview

Quantity:	100 µg
Target:	MMP13
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MMP13 protein is labelled with Fc Tag.

### Product Details

Purpose:	Recombinant mouse MMP13 protein with C-terminal human Fc tag
Specificity:	Mouse MMP13 (Leu20-Arg148) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

### Target Details

Target:	MMP13
Alternative Name:	MMP13 ( <a href="#">MMP13 Products</a> )
Background:	<p>MMP-13, Collagenase 3, Matrix metalloproteinase-13</p> <p>Description: 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,</p>

## Target Details

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 78.1 kDa after removal of the signal peptide. The apparent molecular mass of mMMP13-hFc is 70-100 kDa due to glycosylation.

**UniProt:** [P45452](#)

## Application Details

**Restrictions:** For Research Use only

## Handling

**Format:** Lyophilized

**Buffer:** 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