

Datasheet for ABIN7092827

MMP14 Protein (AA 112-541) (Fc Tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	MMP14
Protein Characteristics:	AA 112-541
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MMP14 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human MMP14 with C-terminal human Fc tag
Specificity:	MMP14 (Thr112-Ala541) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	MMP14
Alternative Name:	MMP14 (MMP14 Products)
Background:	Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of

Target Details

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. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. However, the protein encoded by this gene is a member of the membrane-type MMP (MT-MMP) subfamily, each member of this subfamily contains a potential transmembrane domain suggesting that these proteins are expressed at the cell surface rather than secreted. This protein activates MMP2 protein, and this activity may be involved in tumor invasion. [provided by RefSeq, Jul 2008]

Molecular Weight: predicted molecular mass of 75.3 kDa after removal of the signal peptide. The apparent molecular mass of MMP14-hFc is 55-70 kDa due to glycosylation.

UniProt: [P50281](#)

Pathways: [Autophagy](#)

Application Details

Restrictions: For Research Use only

Handling

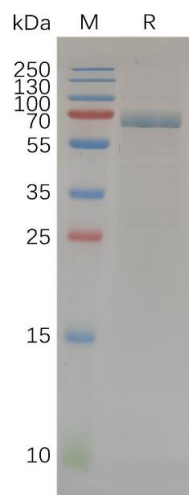
Format: Lyophilized

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 Protein, hFc Tag on SDS-PAGE under reducing condition.