

Datasheet for ABIN7275273

MMP8 Protein (AA 21-465) (His tag)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	MMP8
Protein Characteristics:	AA 21-465
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MMP8 protein is labelled with His tag.

Product Details

Purpose:	Mouse MMP-8 Protein (pro form)
Sequence:	Phe21-Ser465
Characteristics:	Recombinant Mouse MMP-8 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Phe21-Ser465.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	MMP8
Alternative Name:	MMP-8 (MMP8 Products)

Target Details

Background:	Alteration of matrix metalloproteinases (MMPs) and tissue inhibitors of metalloproteinases (TIMPs) expression has been studied for various cardiac diseases, including dilated cardiomyopathy (DCM), with the significance of surrogate markers of extracellular matrix (ECM) remodeling. MMP-8 was identified only in myocytes, while MMP-9 and TIMP-2 were present in both myocytes and stroma, but with different intensity. The increasing intensity of MMP-8 and TIMP-2 immunoreactions was significantly associated with low HCS.
Molecular Weight:	51.9 kDa. Due to glycosylation, the protein migrates to 65-70 kDa based on Tris-Bis PAGE result.
UniProt:	O70138

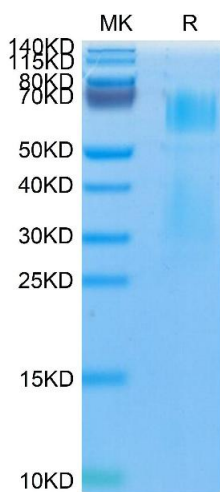
Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	Supplied as 0.22µm filtered solution in 50 mM Tris, 10 mM CaCl ₂ , 150 mM NaCl (pH 7.5).
Storage:	-80 °C
Storage Comment:	Valid for 12 months from date of receipt when stored at -80°C., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

Images



SDS-PAGE

Image 1. Mouse MMP-8 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Mouse MMP-8 is greater than 95 % as determined by SEC-HPLC.

