



[Go to Product page](#)

Datasheet for ABIN7275268

MMP2 Protein (AA 34-660) (His tag)

2 Images

Overview

Quantity:	100 µg
Target:	MMP2
Protein Characteristics:	AA 34-660
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MMP2 protein is labelled with His tag.

Product Details

Purpose:	Human MMP-2 Protein (pro form)
Sequence:	Ile34-Cys660
Characteristics:	Recombinant Human MMP-2 Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Ile34-Cys660.
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:	MMP2
Alternative Name:	MMP-2 (MMP2 Products)

Target Details

Background:	Matrix metalloproteinase (MMP)-2 cleaves a broad spectrum of substrates, including extracellular matrix components (responsible for normal tissue remodeling) and cytokines (modulators of the inflammatory response to physiological insults such as tissue damage). MMP-2 expression is elevated in many cardiovascular pathologies (e.g., myocardial infarction, hypertensive heart disease) where tissue remodeling and inflammatory responses are perturbed.
Molecular Weight:	71.6 kDa. Due to glycosylation, the protein migrates to 72-75 kDa based on Tris-Bis PAGE result.
UniProt:	P08253
Pathways:	Activation of Innate immune Response

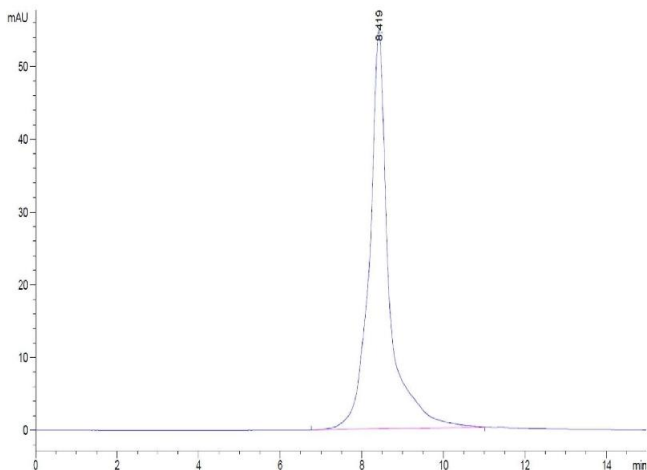
Application Details

Restrictions:	For Research Use only
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Handling

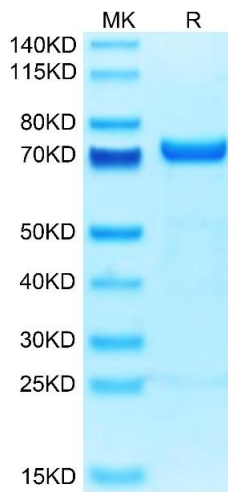
Format:	Liquid
Buffer:	Supplied as 0.22µm filtered solution in 25 mM Tris, 150 mM NaCl, 50 % Glycerol (pH 7.5).
Storage:	-80 °C
Storage Comment:	Valid for 12 months from date of receipt when stored at -80°C., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

Images



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Human MMP-2 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Human MMP-2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .