

Datasheet for ABIN7275274

MMP 9 Protein (AA 20-730) (His tag)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	MMP 9 (MMP9)
Protein Characteristics:	AA 20-730
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MMP 9 protein is labelled with His tag.

Product Details

Purpose:	Mouse MMP-9 Protein
Sequence:	Ala20-Pro730
Characteristics:	Recombinant Mouse MMP-9 Protein is expressed from HEK293 with His tag at the C-Terminus. The protein needs to be activated by APMA to have hydrolytic activity. It contains Ala20-Pro730.
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:	MMP 9 (MMP9)
Alternative Name:	MMP-9 (MMP9 Products)

Target Details

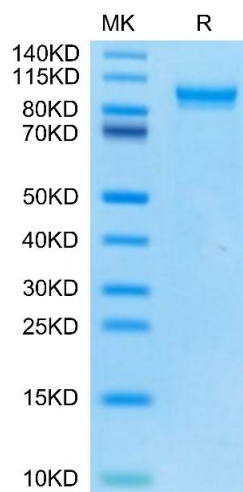
Background:	Matrix metalloproteinase 9 (MMP9) contributes to this process and deficiencies in the MMP9 lead to impaired healing. Inappropriate expression of MMP9 also contributes to impaired re-epithelialization. Previously we demonstrated that FOXO1 was activated in wound healing but to higher levels in diabetic wounds. To address mechanisms of impaired re-epithelialization we examined MMP9 expression in vivo in full thickness dermal scalp wounds created in experimental K14.
Molecular Weight:	79.64 kDa. Due to glycosylation, the protein migrates to 80-110 kDa based on Tris-Bis PAGE result.
UniProt:	P41245
Pathways:	Cellular Response to Molecule of Bacterial Origin , Positive Regulation of Immune Effector Process , CXCR4-mediated Signaling Events

Application Details

Restrictions:	For Research Use only
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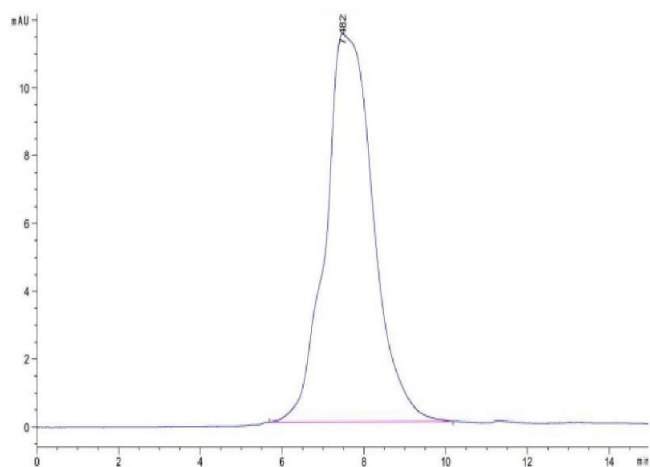
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

Image 1. Mouse MMP-9 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-9 is greater than 95 % as determined by SEC-HPLC.