Mouse MMP-9 Protein

Cat. No. MMP-MM109

Description

Source	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.
Accession	P41245
Molecular Weight	The protein has a predicted MW of 79.64 kDa. Due to glycosylation, the protein migrates to 80-110 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

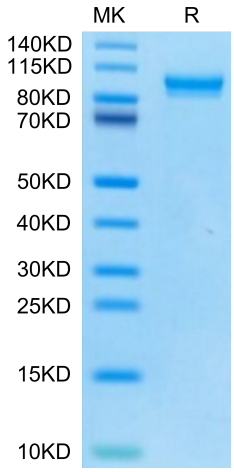
Formulation	Supplied as 0.22μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

Assay Data

Bis-Tris PAGE



Mouse MMP-9 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.