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Recombinant Rabbit Collagenase 3 (MMP13), N-His

Cat. No.: AP4C418

Product Type: Animal Proteins

Size: 10 μg; 50 μg; 200 μg; 1 mg; 5 mg

Product Overview

BioVenic's Recombinant Rabbit Collagenase 3 (MMP13), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 20.9 kDa. The purity is> 97%.

Specifications

Type	Recombinant Protein
Species	Oryctolagus cuniculus (Rabbit)
Expression System	*E.coli*
Purity	> 97%
Endotoxin	< 1.0 EU/μg
Predicted Molecular Weight	20.9 kDa
Physical State	Lyophilized
Formulation	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Target Information

Rabbit Collagenase 3 (MMP13) is a matrix metalloproteinase that plays a critical role in the degradation of extracellular matrix proteins, particularly type II collagen. It is highly expressed during embryonic development and is essential for normal skeletal development. MMP13 is also involved in tissue remodeling, wound healing, and bone repair. In pathological conditions, such as osteoarthritis, MMP13 contributes to cartilage degradation and joint damage. Its activity is regulated by various signaling pathways and endogenous inhibitors like TIMPs. In rabbits, MMP13 can be used to study bone development, tissue repair, and the mechanisms of joint diseases.

Protein	Rabbit Collagenase 3 (MMP13)
Protein Synonym	Matrix metalloproteinase-13; MMP-13
Gene ID	100008685
EC No.	O62806

Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -80°C for 1 year. After reconstitution, the protein solution can be stored at 2-8°C for 2-7 days.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 10 mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Aliquot the reconstituted solution to minimize freeze-thaw cycles.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.