

## Recombinant Swine Matrix Metalloproteinase 8 (MMP8), N-His

Cat. No.: AP9C852

Product Type: Animal Proteins

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

### Product Overview

BioVenic's Recombinant Swine Matrix Metalloproteinase 8 (MMP8), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is N/A. The purity is >97% (SDS-PAGE).

### Specifications

Type	Recombinant Protein
Species	Swine
Expression System	<i>E.coli</i>
Purity	>97% (SDS-PAGE)
Endotoxin	< 1 EU/µg
Predicted Molecular Weight	N/A
Physical State	Lyophilized
Formulation	The buffer before lyophilization is PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

### Target Information

Swine matrix metalloproteinase 8 (MMP-8), also known as neutrophil collagenase, is a member of the matrix metalloproteinase family. It is primarily expressed by neutrophils and functions in the degradation of extracellular matrix (ECM) components, particularly collagen. MMP-8 plays a significant role in tissue remodeling, wound repair, and inflammation, and is associated with various inflammatory disorders and cancer progression.

Protein	Swine Matrix Metalloproteinase 8 (MMP8)
Protein Synonym	CLG2; HNC; PMNL-CL; Collagenase 2; Neutrophil Collagenase; PMNL collagenase
Gene ID	<a href="#">100523811</a>
UniProt ID	<a href="#">F1SV69</a>

### Shipping and Storage

This product is shipped with dry ice. It is recommended to aliquote as needed and store at  $-80^{\circ}\text{C}$  upon receipt. Reconstituted protein solution can be stored at  $4^{\circ}\text{C}$  for 1 week, at  $< -80^{\circ}\text{C}$  for 12 months.

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## User Note

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

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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.