

## Recombinant Canine Myoglobin (MB), N-His

Cat. No.: AP9C561

Product Type: Animal Proteins

Size: 20 µg; 100 µg; 1 mg

### Product Overview

BioVenic's Recombinant Canine Myoglobin (MB), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 21.3 kDa. The purity is >90% (SDS-PAGE).

### Specifications

Type	Recombinant Protein
Species	Canine
Expression System	<i>E.coli</i>
Purity	>90% (SDS-PAGE)
Predicted Molecular Weight	21.3 kDa
Physical State	Lyophilized
Formulation	The buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.

### Target Information

Canine myoglobin (MB) is a heme-containing protein in canine muscle tissue that binds and stores oxygen, facilitating its use during intense physical activity. It helps maintain muscle function and reduces fatigue by providing a local oxygen reserve.

Protein	Canine Myoglobin (MB)
Protein Synonym	Intestinal trefoil factor
Gene ID	<a href="#">608715</a>
UniProt ID	<a href="#">P63113</a>

### Shipping and Storage

This product is shipped with dry ice. It is recommended to aliquote as needed and store at -80°C upon receipt. Reconstituted protein solution can be stored at 4°C for 1 week, at < -80°C for 12 months. Avoid repeated freezing and thawing.

## User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in sterile distilled water to a concentration of 0.1-1.0 mg/mL. Aliquote the reconstituted solution to minimise 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.