

## Recombinant Chicken Mannose-Binding Protein (MBL), N-His

Cat. No.: AP1C309

Product Type: Animal Proteins

Size: 1 mg; 5 mg

### Product Overview

BioVenic's Recombinant Chicken Mannose-Binding Protein (MBL), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 27.4 kDa. The purity is >90% (SDS-PAGE).

### Specifications

Type	Recombinant Protein
Species	Chicken
Expression System	<i>E.coli</i>
Purity	>90% (SDS-PAGE)
Predicted Molecular Weight	27.4 kDa
Physical State	Lyophilized
Formulation	The buffer before lyophilization is PBS, pH 7.4, containing 0.01% Sarcosyl, 1 mM DTT, 5% Trehalose and Proclin-300.

### Target Information

Chicken mannose-binding protein (MBL) is a crucial component of the innate immune system in chickens, playing a significant role in the first line of defense against viral, bacterial, and parasitic pathogens. It acts by binding to the microbial surface through its carbohydrate recognition domains, leading to direct opsonization or activation of the complement system, which helps in neutralizing and clearing pathogens from the body.

Protein	Chicken Mannose-Binding Protein (MBL)
Protein Synonym	Mannan-binding protein
Gene ID	<a href="#">374267</a>
UniProt ID	<a href="#">Q98TA4</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.