

## Recombinant Chicken Homeobox Protein Hox-D12 (HOXD12)

**Cat. No.:** AP2C532

**Product Type:** Animal Proteins

**Size:** 20 µg; 100 µg; 1 mg

### Product Overview

BioVenic's Recombinant Chicken Homeobox Protein Hox-D12 (HOXD12) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 30.0 kDa. The purity is >85% (SDS-PAGE).

### Specifications

Type	Recombinant Protein
Species	Chicken
Expression System	<i>E.coli</i>
Purity	>85% (SDS-PAGE)
Predicted Molecular Weight	30.0 kDa
Physical State	Lyophilized
Formulation	Tris/PBS-based buffer, 5%-50% glycerol.

### Target Information

Chicken Homeobox Protein Hox-D12 (HOXD12) is a transcription factor regulating gene expression in limb and skeletal development. It ensures proper digit and skeletal structure formation. In chickens, HOXD12 is crucial for limb development and overall body conformation. Studying HOXD12 provides insights into poultry development, aiding in breeding for desirable physical traits and addressing developmental abnormalities. This knowledge also contributes to advancements in regenerative medicine and tissue engineering for chickens.

Protein	Chicken Homeobox Protein Hox-D12 (HOXD12)
Protein Synonym	Homeobox protein Hox-4.7; Homeobox protein Hox-4F
Gene ID	<a href="#">396178</a>
UniProt ID	<a href="#">P24343</a>

### Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -20°C for 1 year. After reconstitution, the protein solution can be stored at 2-8°C for 2-7 days.

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### **User Note**

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. Aliquot the reconstituted solution to minimize 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.