

Recombinant Chicken Homeobox Protein Hox-D1 (HOXD1)

Cat. No.: AP2C389

Product Type: Animal Proteins

Size: 20 µg; 100 µg; 1 mg

Product Overview

BioVenic's Recombinant Chicken Homeobox Protein Hox-D1 (HOXD1) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 8.4 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	8.4 kDa
Physical State	Lyophilized
Formulation	Tris/PBS-based buffer, 5%-50% glycerol.

Target Information

Chicken homeobox protein hox-D1 (HOXD1) is a homeobox-containing protein involved in embryonic development in chickens. It plays a crucial role in pattern formation and cell differentiation during early development. Hox-D1 helps establish the spatial organization of body structures by regulating the expression of target genes in specific regions of the embryo. In chickens, Hox-D1 is particularly important for the development of the limb buds and axial skeleton, influencing the formation of wings, legs, and vertebral structures. Researchers often study Hox-D1 to understand limb patterning and congenital abnormalities in avian species.

Protein	Chicken Homeobox Protein Hox-D1 (HOXD1)
Protein Synonym	Homeobox protein CHOX-1; HOXD1; CHOX-1
Gene ID	101750316
UniProt ID	P13544

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.

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.

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.