

Recombinant Chicken Gap Junction Alpha-3 Protein (GJA3)

Cat. No.: AP4C597

Product Type: Animal Proteins

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

Product Overview

BioVenic's Recombinant Chicken Gap Junction Alpha-3 Protein (GJA3) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 55.8 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	55.8 kDa
Physical State	Lyophilized
Formulation	Tris/PBS-based buffer, 5%-50% glycerol.

Target Information

Chicken Gap Junction Alpha-3 Protein (GJA3), also known as connexin 46 (Cx46), is a key component of gap junctions, which are specialized intercellular connections that facilitate direct communication between cells. GJA3 is highly conserved across species and is essential for maintaining ionic and water balance, as well as the transparency and optical properties of the lens in the eye. Defects in the GJA3 gene are associated with congenital cataracts, a condition characterized by clouding of the lens that can impair vision. In chickens, GJA3 plays a crucial role in lens development and function, ensuring proper cellular communication and tissue integrity. Abnormal expression or mutations in GJA3 can lead to disruptions in these processes, resulting in developmental abnormalities and diseases.

Protein	Chicken Gap Junction Alpha-3 Protein (GJA3)
Protein Synonym	Connexin-56; Cx56
Gene ID	428084
EC No.	P29415

Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -80°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. Reconstitute 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.