

Recombinant Chicken Gamma-Aminobutyric Acid Receptor Subunit Beta-3 (GABRB3)

Cat. No.: AP2C504

Product Type: Animal Proteins

Size: 20 µg; 100 µg; 1 mg

Product Overview

BioVenic's Recombinant Chicken Gamma-Aminobutyric Acid Receptor Subunit Beta-3 (GABRB3) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 54.4 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	54.4 kDa
Physical State	Lyophilized
Formulation	Tris/PBS-based buffer, 5%-50% glycerol.

Target Information

Chicken Gamma-Aminobutyric Acid Receptor Subunit Beta-3 (GABRB3) is a subunit of the GABA receptor, a ligand-gated ion channel mediating inhibitory neurotransmission. It binds GABA, allowing chloride ions to flow into neurons and regulate excitability. In chickens, GABRB3 is key for nervous system balance, affecting behavior and stress responses. Efficient GABRB3 function helps chickens cope with farming stressors, improving welfare and productivity. Research on GABRB3 can lead to strategies for managing stress-related issues and developing targeted therapies for neurological disorders in poultry.

Protein	Chicken Gamma-Aminobutyric Acid Receptor Subunit Beta-3 (GABRB3)
Protein Synonym	GABA(A) receptor subunit beta-3; GABRB3
Gene ID	396290
UniProt ID	P19019

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.