

Recombinant Chicken Ephrin-A5 (EFNA5)

Cat. No.: AP4C680

Product Type: Animal Proteins

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

Product Overview

BioVenic's Recombinant Chicken Ephrin-A5 (EFNA5) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 26.2 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	26.2 kDa
Physical State	Lyophilized
Formulation	Tris/PBS-based buffer, 5%-50% glycerol.

Target Information

Chicken Ephrin-A5 (EFNA5) is a member of the ephrin family, which functions as a ligand for Eph receptors. EFNA5 is anchored to the cell membrane via a glycosylphosphatidylinositol linkage and plays a crucial role in cell migration, repulsion, and adhesion during neuronal, vascular, and epithelial development. In chickens, EFNA5 has been implicated in the regulation of ovarian follicle development and apoptosis in granulosa cells. It has been shown to promote apoptosis in a Caspase 8-dependent manner and to regulate cell proliferation through the ERK and Akt signaling pathways. EFNA5 also influences the secretion of steroidogenesis hormones, such as estradiol, and the expression of growth factors like BMP15 and GDF9, which are critical for follicular development.

Protein	Chicken Ephrin-A5 (EFNA5)
Protein Synonym	EFNA5; RAGS; EPH-related receptor tyrosine kinase ligand 7
Gene ID	396100
EC No.	P52804

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.