

Recombinant Swine Chromogranin-A (CHGA)

Cat. No.: AP9C874

Product Type: Animal Proteins

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

Product Overview

BioVenic's Recombinant Swine Chromogranin-A (CHGA) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 51.0 kDa. The purity is >95% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Swine
Expression System	<i>E.coli</i>
Purity	>95% (SDS-PAGE)
Endotoxin	< 1 EU/µg
Predicted Molecular Weight	51.0 kDa
Physical State	Lyophilized
Formulation	The buffer before lyophilization is PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Target Information

Swine Chromogranin-A is a major soluble protein co-stored and co-released with catecholamines, functioning as a pro-hormone by giving rise to several bioactive peptides. It plays a role in the endocrine, cardiovascular, and immune systems, affecting glucose or calcium homeostasis. In swine, Chromogranin-A is involved in the physiological processes and could be a marker for various pathological conditions.

Protein	Swine Chromogranin-A (CHGA)
Protein Synonym	CGA; SP-I; Parathyroid Secretory Protein 1; Vasostatin; Pancreastatin; Parastatin; Pituitary secretory protein I
Gene ID	397540
UniProt ID	P04404

Shipping and Storage

This product is shipped with dry ice. It is recommended to aliquote as needed and store at -80°C upon receipt. Reconstituted protein solution can be stored at 4°C for 1 week, at $< -80^{\circ}\text{C}$ for 12 months.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Aliquote the reconstituted solution to minimise 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.