500-E Wheeler Rd, Hauppauge, NY 11788
info@biovenic.com
www.biovenic.com

Recombinant Swine Protransforming Growth Factor Alpha (TGFA)

Cat. No.: AP9C85

Product Type: Animal Proteins

Size: 20 μg; 100 μg; 1 mg

Product Overview

BioVenic's Recombinant Swine Protransforming Growth Factor Alpha (TGFA) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 17.1 kDa. The purity is>85% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Swine
Expression System	*E.coli*
Purity	>85% (SDS-PAGE)
Predicted Molecular Weight	17.1 kDa
Physical State	Lyophilized
Formulation	The buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.

Target Information

Swine transforming growth factor alpha (TGFA) is a polypeptide growth factor that belongs to the epidermal growth factor (EGF) family. In pigs, TGFA plays a critical role in cell signaling, particularly in processes such as cell proliferation, differentiation, and survival. It is involved in the regulation of various physiological and pathological conditions, including tissue repair, inflammation, and cancer progression. TGFA exerts its effects by binding to the EGF receptor, activating a cascade of intracellular signals that are essential for the growth and maintenance of epithelial tissues in swine.

Protein	Swine Protransforming Growth Factor Alpha (TGFA)
Gene ID	397484
UniProt ID	Q06922

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°C for 12 months. Avoid repeated freezing and thawing.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in sterile distilled water 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.