

## Recombinant Bovine Transforming Growth Factor Alpha (TGFA)

**Cat. No.:** AP9C235

**Product Type:** Animal Proteins

**Size:** 20 µg; 100 µg; 1 mg

### Product Overview

BioVenic's Recombinant Bovine Transforming Growth Factor Alpha (TGFA) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 27.8 kDa. The purity is >85% (SDS-PAGE).

### Specifications

Type	Recombinant Protein
Species	Bovine
Expression System	<i>E.coli</i>
Purity	>85% (SDS-PAGE)
Predicted Molecular Weight	27.8 kDa
Physical State	Lyophilized
Formulation	The buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.

### Target Information

Bovine transforming growth factor alpha (TGFA) is a member of the epidermal growth factor (EGF) family of proteins, playing a significant role in cell signaling in cattle. TGFA is involved in the regulation of cell growth, proliferation, and differentiation. It is particularly influential in tissue repair, embryonic development, and the maintenance of epithelial tissues. 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 various cell types in Bovines.

Protein	Bovine Transforming Growth Factor Alpha (TGFA)
Gene ID	<a href="#">540388</a>
UniProt ID	<a href="#">A0A3Q1M7J4</a>

### Shipping and Storage

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

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## 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 minimize freeze-thaw cycles.

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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.