

Recombinant Mouse Protransforming Growth Factor Alpha (Tgfa), N-His

Cat. No.: AP4C117

Product Type: Animal Proteins

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

Product Overview

BioVenic's Recombinant Mouse Protransforming Growth Factor Alpha (Tgfa), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 18.5 kDa. The purity is >90%.

Specifications

Type	Recombinant Protein
Species	Mouse
Expression System	<i>E.coli</i>
Purity	>90%
Endotoxin	< 1.0 EU/µg
Predicted Molecular Weight	18.5 kDa
Physical State	Lyophilized
Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.

Target Information

Mouse Protransforming Growth Factor Alpha (TGFA) is a precursor protein that is processed into mature transforming growth factor alpha (TGF-α). TGF-α is a growth factor that binds to the epidermal growth factor receptor (EGFR), activating signaling pathways such as MAPK and PI3K/Akt. It plays a role in cell proliferation, differentiation, and survival. TGFA has been implicated in diseases such as cancer and inflammatory disorders.

Protein	Mouse Protransforming Growth Factor Alpha (Tgfa)
Protein Synonym	Tgfa; TGF-alpha
Gene ID	21802
EC No.	P48030

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 10 mM PBS (pH7.4) 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.