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Recombinant Porcine Transforming Growth Factor Beta 3 (TGFb3), N-His

Cat. No.: AP7F159

Product Type: Animal Proteins

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

Product Overview

BioVenic's Recombinant Porcine Transforming Growth Factor Beta 3 (TGFb3), N-His is a recombinant protein expressed from *E.coli* expression system. Its predicted molecular weight is 16.4 kDa. The purity is>95% (SDS-PAGE). The endotoxin level is <1 EU/μg (LAL). It can be used as a positive control or as an immunogen.

Specifications

Type	Recombinant Protein
Species	Swine
Expression System	*E.coli*
Purity	>95% (SDS-PAGE)
Endotoxin	<1 EU/μg (LAL)
Predicted Molecular Weight	16.4 kDa
Molecular Weight	16 kDa
Physical State	Lyophilized
Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.

Target Information

Transforming growth factor beta 3 (TGF-β3) is a cytokine which regulates molecules involved in cellular adhesion and extracellular matrix (ECM) formation durng the process of palate development. Research showed that treatment with TGF-β3 can promote the f ormation of collagen type II within the Trochlear chondral defects of Yucatan mini-pigs.

Protein	Porcine Transforming Growth Factor Beta 3 (TGFb3)
Protein Synonym	TGF-B3, LAP, Latency-associated peptide, TGF-beta-3, Transforming Growth Factor Beta 3
Gene ID	397400
UniProt ID	P15203

Shipping and Storage

This product is shipped with dry ice. Avoid repeated freezing and thawing. Store for 4 weeks at 2-8°C, for 12 months at -80°C.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 10 mM PBS (pH 7.4) 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.