

Recombinant Swine CCN Family Member 2 (CCN2), N-His

Cat. No.: AP9C734

Product Type: Animal Proteins

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

Product Overview

BioVenic's Recombinant Swine CCN Family Member 2 (CCN2), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 26.7 kDa. The purity is >97% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Swine
Expression System	<i>E.coli</i>
Purity	>97% (SDS-PAGE)
Endotoxin	< 1 EU/µg
Predicted Molecular Weight	26.7 kDa
Molecular Weight	30.0 kDa
Physical State	Lyophilized
Formulation	The buffer before lyophilization is 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Target Information

Swine CCN family member 2, also known as connective tissue growth factor (CTGF), is a protein that plays a significant role in the growth and development of bone and cartilage in pigs. It is suggested to be an endochondral ossification genetic factor, promoting the proliferation and differentiation of growth-plate chondrocytes, osteoblasts, and vascular endothelial cells, which are crucial in the process of bone formation.

Protein	Swine CCN Family Member 2 (CCN2)
Protein Synonym	CCN2; HCS24; IGFBP8; NOV2; Insulin-Like Growth Factor-Binding Protein 8; Hypertrophic Chondrocyte-Specific Protein 24; CCN Family Member 2
Gene ID	100152141
UniProt ID	F1S3P6

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. Avoid repeated freezing and thawing.

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.