

Recombinant Bovine Gastrotropin (FABP6), N-His-GST

Cat. No.: AP9C301

Product Type: Animal Proteins

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

Product Overview

BioVenic's Recombinant Bovine Gastrotropin (FABP6), N-His-GST is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 44.3 kDa. The purity is >90% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Bovine
Expression System	<i>E.coli</i>
Purity	>90% (SDS-PAGE)
Endotoxin	< 1 EU/µg
Predicted Molecular Weight	44.3 kDa
Molecular Weight	44 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

Bovine Fatty Acid Binding Protein 6 (FABP6), also known as ileal lipid-binding protein, is a member of the fatty acid-binding protein family. This protein is primarily expressed in the ileum, where it plays a crucial role in the absorption of bile acids and the enterohepatic circulation of lipids. FABP6 has a high affinity for bile acids and is involved in the transport and metabolism of fatty acids within the cell. It is thought that FABP6's roles include facilitating the uptake of fatty acids by cells, participating in the intracellular transport of these molecules, and contributing to lipid metabolism. The protein is also a downstream target of the farnesoid X receptor (FXR), indicating its involvement in FXR signaling, which is important for maintaining lipid homeostasis. In veterinary medicine, understanding FABP6's function can aid in the study of lipid metabolism and the development of treatments for lipid-related disorders in cattle.

Protein	Bovine Gastrotropin (FABP6)
Protein Synonym	Fatty acid-binding protein 6; Ileal lipid-binding protein (ILBP)

Gene ID [514650](#)

UniProt ID [Q3T0Z2](#)

Shipping and Storage

This product is shipped with dry ice. It is recommended to aliquot 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 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Aliquot 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.