

Recombinant Swine Fatty acid-Binding Protein, Heart (FABP3)

Cat. No.: AP9C786

Product Type: Animal Proteins

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

Product Overview

BioVenic's Recombinant Swine Fatty acid-Binding Protein, Heart (FABP3) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 18.3 kDa. The purity is >95% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Swine
Expression System	<i>E.coli</i>
Purity	>95% (SDS-PAGE)
Endotoxin	< 1 EU/µg
Predicted Molecular Weight	18.3 kDa
Physical State	Lyophilized
Formulation	The buffer before lyophilization is PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Target Information

Swine fatty acid-binding protein, heart (H-FABP), also known as FABP3, is a dominant isoform present in the heart and skeletal muscles, playing a key role in mitochondrial β -oxidation by facilitating the transport of long-chain fatty acids to the mitochondria. It is also involved in early diagnosis of acute myocardial infarction (AMI) due to its rapid release by the injured myocardium.

Protein	Swine Fatty acid-Binding Protein, Heart (FABP3)
Protein Synonym	MDGI; FABP11; H-FABP; O-FABP; Hfabp; FABP3; Fatty Acid Binding Protein 3; Muscle And Heart; Mammary Derived Growth Inhibitor; Fatty Acid Binding Protein 11; Muscle fatty acid-binding protein; Heart-ty
Gene ID	399532
UniProt ID	Q02772

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°C for 12 months.

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.