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Recombinant Swine Electron Transfer Flavoprotein-Ubiquinone Oxidoreductase, Mitochondrial (ETFDH), N-His-SUMO

Cat. No.: AP9C130

Product Type: Animal Proteins

Size: 20 μg; 100 μg; 1 mg

Product Overview

BioVenic's Recombinant Swine Electron Transfer Flavoprotein-Ubiquinone Oxidoreductase, Mitochondrial (ETFDH), N-His is a recombinant protein expressed from Yeast. Its predicted molecular weight is 66.8 kDa. The purity is>90% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Swine
Expression System	Yeast
Purity	>90% (SDS-PAGE)
Predicted Molecular Weight	80.8 kDa
Physical State	Lyophilized
Formulation	The buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.

Target Information

Swine electron transfer flavoprotein-ubiquinone oxidoreductase, mitochondrial is a key component of the mitochondrial respiratory chain in swine, catalyzing the electron transfer from flavoprotein dehydrogenases to the ubiquinone pool. It plays a crucial role in fatty acid oxidation and the metabolism of certain amino acids, linking these processes to the electron transport chain. This protein is essential for maintaining energy metabolism and cellular homeostasis in pigs.

Protein	Swine Electron Transfer Flavoprotein-Ubiquinone Oxidoreductase, Mitochondrial (ETFDH)
Protein Synonym	Electron-transferring-flavoprotein dehydrogenase (ETF dehydrogenase)
Gene ID	100515785
UniProt ID	P55931

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 concentrati on of 0.1-1.0 mg/mL. Aliquot the reconstituted solution to minimise freeze-thaw cycles.

Reference

Johnson, M K. *et al*. Electron paramagnetic resonance and magnetic circular dichroism studies of electron-transfer flavoprotein-ubi quinone oxidoreductase from pig liver. *FEBS letters vol*. 1987, 226,1: 129-33.