

Recombinant Chicken NADH-Ubiquinone Oxidoreductase Chain 4 (MT-ND4)

Cat. No.: AP2C449

Product Type: Animal Proteins

Size: 20 µg; 100 µg; 1 mg

Product Overview

BioVenic's Recombinant Chicken NADH-Ubiquinone Oxidoreductase Chain 4 (MT-ND4) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 51.1 kDa. The purity is >85% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Chicken
Expression System	<i>E.coli</i>
Purity	>85% (SDS-PAGE)
Predicted Molecular Weight	51.1 kDa
Physical State	Lyophilized
Formulation	Tris/PBS-based buffer, 5%-50% glycerol.

Target Information

Chicken NADH-Ubiquinone Oxidoreductase Chain 4 (MT-ND4) is a subunit of mitochondrial respiratory chain complex I, involved in cellular energy metabolism. It functions in the mitochondrial electron transport chain to help generate ATP, providing energy for cells. Abnormalities in MT-ND4 may be associated with energy metabolism disorders and certain diseases.

Protein	Chicken NADH-Ubiquinone Oxidoreductase Chain 4 (MT-ND4)
Protein Synonym	NADH dehydrogenase subunit 4
UniProt ID	P18939

Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -20°C for 1 year. After reconstitution, the protein solution can be stored at 2-8°C for 2-7 days.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. Aliquot the reconstituted solution to minimize 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.