

Product datasheet

Recombinant Human COX4I2 protein ab164645

1 Image

Overview

Product name	Recombinant Human COX4I2 protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Wheat germ
Amino Acid Sequence	
Species	Human
Sequence	MHSSEGTTTRGGGKMSPYTNCYAQRYYPMPEEPFCTE LNAEEQALKEKEKG SWTQLTHAEKVALYRLQFNETFAEMNRRSNEWKT
Amino acids	21 to 104
Tags	GST tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab164645** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	ELISA Western blot
Form	Liquid
Additional notes	Protein concentration is above or equal to 0.05 mg/ml. This product was previously labelled as COXIV Isoform 2

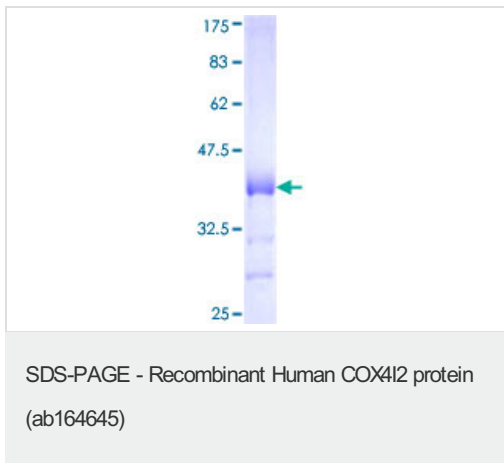
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
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General Info

Function	This protein is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport.
Tissue specificity	Highly expressed in lung.
Involvement in disease	Defects in COX4I2 are the cause of exocrine pancreatic insufficiency dyserythropoietic anemia and calvarial hyperostosis (EPIDACH) [MIM:612714]. Patients present with pancreatic insufficiency, intestinal malabsorption, failure to thrive, and anemia soon after birth.
Sequence similarities	Belongs to the cytochrome c oxidase IV family.
Cellular localization	Mitochondrion inner membrane.

Images



ab164645 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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