

## Datasheet for ABIN7317176 **COX5B Protein (His tag)**



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### Overview

Quantity:	50 µg
Target:	COX5B
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This COX5B protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human COX5B Protein (His Tag)
Sequence:	Ala32-His129
Characteristics:	A DNA sequence encoding the human COX5B (P10606) (Ala32-His129) was expressed with a polyhistidine tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

### Target Details

Target:	COX5B
Alternative Name:	COX5B ( <a href="#">COX5B Products</a> )
Background:	Background: Cytochrome C oxidase (COX) is the terminal enzyme of the mitochondrial respiratory chain. It is a multi-subunit enzyme complex that couples the transfer of electrons from cytochrome c to molecular oxygen and contributes to a proton electrochemical gradient across the inner mitochondrial membrane. The complex consists of 13 mitochondrial- and

## Target Details

nuclear-encoded subunits. The mitochondrially-encoded subunits perform the electron transfer and proton pumping activities. The functions of the nuclear-encoded subunits are unknown but they may play a role in the regulation and assembly of the complex. This gene encodes the nuclear-encoded subunit Vb of the human mitochondrial respiratory chain enzyme.  
Synonym: COXVB

Molecular Weight: 12.5 kDa

UniProt: [P10606](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, 10 % Glycerol, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.