Datasheet for ABIN1608012

# COX6B1 Protein (AA 1-86, full length) (GST tag)

Go to Product page

## 1 Image

## Overview

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|---|---|
| Quantity: | 1 mg |
| Target: | COX6B1 |
| Protein Characteristics: | AA 1-86, full length |
| Origin: | Human |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This COX6B1 protein is labelled with GST tag. |
| Application: | ELISA |

## Product Details

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| Sequence: | MAEDMETKIK NYKTAPFDSR FPNQNQTRNC WQNYLDFHRC QKAMTAKGGD ISVCEWYQRV YQSLCPTSWV TDWDEQRAEG TFPGKI |
| Characteristics: | Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time. |
| Purity: | 95 % |

## Target Details

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| Target: | COX6B1 |
| Alternative Name: | Cytochrome c oxidase subunit 6B1 protein (COX6B1 Products) |
| Background: | Connects the two COX monomers into the physiological dimeric form Defects in COX6B1 are a cause of mitochondrial complex IV deficiency (MT-C4D) [MIM:220110], also known as |

## Target Details

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| | cytochrome c oxidase deficiency. A disorder of the mitochondrial respiratory chain with heterogeneous clinical manifestations, ranging from isolated myopathy to severe multisystem disease affecting several tissues and organs. Features include hypertrophic cardiomyopathy, hepatomegaly and liver dysfunction, hypotonia, muscle weakness, excercise intolerance, developmental delay, delayed motor development and mental retardation. A subset of patients manifest Leigh syndrome. |
| Molecular Weight: | 37.6 kD |
| UniProt: | P14854 |

## Application Details

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| Comment: | The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modificated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |
| Concentration: | 0.2-2 mg/mL |
| Buffer: | Tris-based buffer, 50 % glycerol |
| Handling Advice: | Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week |
| Storage: | -20 °C |
| Storage Comment: | Store at -20 °C for extended storage, conserve at -20 °C or -80 °C |

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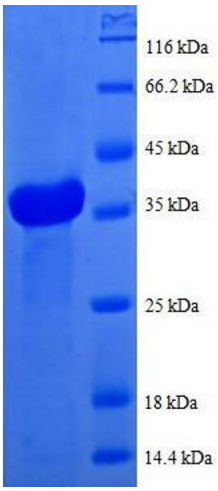


**SDS-PAGE**

**Image 1.** Cytochrome C Oxidase Subunit VIb Polypeptide 1 (Ubiquitous) (COX6B1) (AA 1-86), (full length) protein (GST tag)

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