

Recombinant Human COX5B Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. COX5B-4604H Lot. No. (See product label)

SPECIFICATION

Product Overview

COX5B MS Standard C13 and N15-labeled recombinant protein (NP_001853) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

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 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.

Molecular Mass

13.7 kDa

AA Sequence

MASRLRGAGTLAAQALRARGPSGAAAMRSMASGGVPTDEEQATGLEREIMLAA
 KKGLDPYNVLPKLGASGTREDPNLVPSISNKRIVGCICEEDNTSVVFWLHKGEAQ
 RCPRCGAHYKLVQPQLAHTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

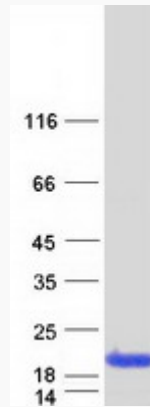
Gene Name	COX5B cytochrome c oxidase subunit Vb [Homo sapiens (human)]
Official Symbol	COX5B
Synonyms	COX5B; cytochrome c oxidase subunit Vb; cytochrome c oxidase subunit 5B, mitochondrial; cytochrome c oxidase polypeptide VB, mitochondrial; COXVB;
Gene ID	1329
mRNA Refseq	NM_001862
Protein Refseq	NP_001853
MIM	123866
UniProt ID	P10606

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SDS-PAGE



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