

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	MASRLRGAGTLAAQALRARGPSGAAAMRSMASGGGVPTDEEQATGLEREIMLAA KKGLDPYNVLAPKGASGTREDPNLVPSISNKRIVGCICEEDNTSVVFWLHKGEAQ RCPRCGAHYKLVPPQLAHTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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.

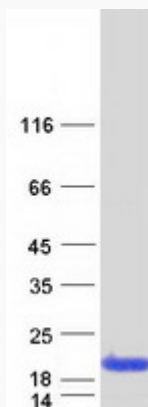
GENE INFORMATION

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA