Recombinant Human COX6A2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. COX6A2-1481H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	COX6A2 MS Standard C13 and N15-labeled recombinant protein (NP_005196) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Cytochrome c oxidase (COX), the terminal enzyme of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. It is a heteromeric complex consisting of 3 catalytic subunits encoded by mitochondrial genes and multiple structural subunits encoded by nuclear genes. The mitochondrially-encoded subunits function in electron transfer, and the nuclear-encoded subunits may be involved in the regulation and assembly of the complex. This nuclear gene encodes polypeptide 2 (heart/muscle isoform) of subunit VIa, and polypeptide 2 is present only in striated muscles. Polypeptide 1 (liver isoform) of subunit VIa is encoded by a different gene, and is found in all non-muscle tissues. These two polypeptides share 66% amino acid sequence identity.
Molecular Mass	10.8 kDa
AA Sequence	MALPLRPLTRGLASAAKGGHGGAGARTWRLLTFVLALPSVALCTFNSYLHSGHRPR PEFRPYQHLRIRTKPYPWGDGNHTLFHNSHVNPLPTGYEHPTRTRPLEQKLISEEDL AANDILDYKDDDDKV

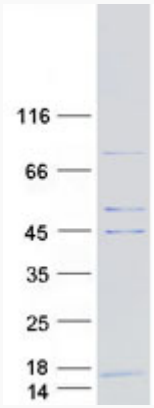
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
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	COX6A2 cytochrome c oxidase subunit VIa polypeptide 2 [Homo sapiens (human)]
Official Symbol	COX6A2
Synonyms	COX6A2; cytochrome c oxidase subunit VIa polypeptide 2; cytochrome c oxidase subunit 6A2, mitochondrial; COX VIa-M; cytochrome c oxidase subunit VIA-muscle; cytochrome c oxidase polypeptide VIa-heart; COX6AH; COXVIAH;
Gene ID	1339
mRNA Refseq	NM_005205
Protein Refseq	NP_005196
MIM	602009
UniProt ID	Q02221

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