

Recombinant Full Length Human COX4I1 Protein

Cat. No. COX4I1-90HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length, Human COX IV with proprietary tag, Predicted MW 44.33 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	169 amino acids
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 IV isoform 1 of the human mitochondrial respiratory chain enzyme. It is located at the 3' of the NOC4 (neighbor of COX4) gene in a head-to-head orientation, and shares a promoter with it.
Form	Liquid
Molecular Mass	44.330kDa inclusive of tags

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AA Sequence	MLATRVFSLVGKRAISTSVCVRAHESVVKSEDFSLPAYMDRRDHPLPEVAHVHLSA SQKALKEKEKASWSSLSMDEKVELYRIKFESFAEMNRGSNEWKTVVGGAMFFIGF TALVIMWQKHVYVGPLPQSFDKEWVAKQTKRMLDMKVNPIQGLASKWDYEKNEWK K
Purity	Proprietary Purification
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
Storage Buffer	pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.
GENE INFORMATION	
Gene Name	COX4I1 cytochrome c oxidase subunit IV isoform 1 [Homo sapiens]
Official Symbol	COX4I1
Synonyms	COX4I1; cytochrome c oxidase subunit IV isoform 1; COX4, cytochrome c oxidase subunit IV; cytochrome c oxidase subunit 4 isoform 1, mitochondrial; COX4 1
Gene ID	1327
mRNA Refseq	NM_001861
Protein Refseq	NP_001852
MIM	123864
UniProt ID	P13073

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