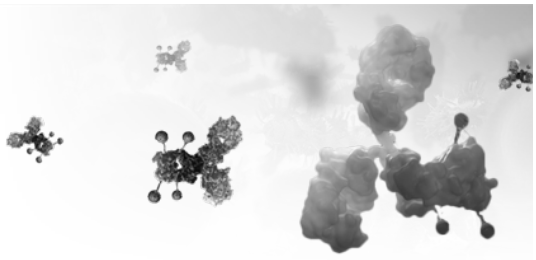

Human COX4I1 blocking peptide (DAG-P1454)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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. [provided by RefSeq, Jul 2008]
Specificity	Ubiquitous.
Conjugate	Unconjugated
Applications	BL
Sequence Similarities	Belongs to the cytochrome c oxidase IV family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	COX4I1 cytochrome c oxidase subunit IV isoform 1 [Homo sapiens (human)]
Official Symbol	COX4I1

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Synonyms	COX4I1; cytochrome c oxidase subunit IV isoform 1; COX4; COXIV; COX4-1; cytochrome c oxidase subunit 4 isoform 1, mitochondrial; COX IV-1; cytochrome c oxidase polypeptide IV;
Entrez Gene ID	1327
mRNA Refseq	NM_001861.3
Protein Refseq	NP_001852.1
UniProt ID	P13073
Chromosome Location	16q24.1
Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Cardiac muscle contraction, organism-specific biosystem; Cardiac muscle contraction, conserved biosystem; Cytochrome c oxidase, organism-specific biosystem; Cytochrome c oxidase, conserved biosystem; Electron Transport Chain, organism-specific biosystem; Huntingtons disease, organism-specific biosystem; Huntingtons disease, conserved biosystem; Metabolism, organism-specific biosystem; Non-alcoholic fatty li
Function	cytochrome-c oxidase activity; protein binding;

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