9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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COX5A Human

Cytochrome C Oxidase Subunit Va Human Recombinant
RCP0510

Product Overview

Name	COX5A Human
Description	
Cytochrome C Oxidase Subunit Va Human Recombinant	
Accession (Primary)	P20674
Synonyms	
Cytochrome c oxidase subunit 5A, mitochondrial, Cytochrome c oxidase polypeptide Va, COX5A, VA, COX, COX-VA.	
Introduction	
Cytochrome C Oxidase Subunit Va (COX5A) is a member of the cytochrome c oxidase subunit 5A family. COX (Cytochrome C Oxidase), which is the terminal component of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced Cytochrome C to oxygen. The COX component is a heteromeric complex comprised of three catalytic subunits encoded by mitochondrial genes and multiple structural subunits encoded by nuclear genes. The mitochondrially-encoded subunits serve in electron transfer, and the nuclear-encoded subunits act in the regulation and assembly of the complex. COX5A is the heme A-containing chain of Cytochrome C Oxidase,which is the terminal oxidase in mitochondrial electron transport.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
COX5A protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 10% glycerol and 2mM DTT.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS SHGSQET DEEFDARWVT YFNKPDIDAW ELRKGINTLV TYDMVPEPKI IDAALRACRR LNDFASTVRI LEVVKDKAGP HKEIYPYVIQ ELRPTLNELG ISTPEELGLD KV.	

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Precautions

COX5A Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P20674)