9051 Mira Mesa Blvd, #910094
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COA4 Human

Cytochrome C Oxidase Assembly Factor 4 Human Recombinant
RCP0477

Product Overview

Name	COA4 Human
Description	
Cytochrome C Oxidase Assembly Factor 4 Human Recombinant	
Accession (Primary)	Q9NYJ1
Synonyms	
CHCHD8, CMC3, E2IG2, Cytochrome c oxidase assembly factor 4 homolog, mitochondrial, Coiled-coil-helix-coiled-coil-helix domain-containing protein 8, E2-induced gene 2 protein, COA4.	
Introduction	
Cytochrome c oxidase assembly factor 4 (COA4) is the last enzyme of the mitochondrial respiratory chain which needs a great number of accessory factors. COA4 is vital for oxidative phosphorylation and comprises multiple complexes including cytochrome c oxidase, assembled in macromolecular supercomplexes. COX4 is a protein-coding gene which defect in it causes an acute human encephalomyopathies.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
COA4 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM 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 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MSTSVPQ GHTWTQRVKK DDEEEDPLDQ LISRSGCAAS HFAVQECMAQ HQDWRQCQPQ VQAFKDCMSE QQARRQEELQ RRQEQAGAHH.	
Precautions	

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COA4 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9NYJ1)