

COX7B2 抗原（重组蛋白）

中文名称：COX7B2 抗原（重组蛋白）

英文名称：COX7B2 Antigen (Recombinant Protein)

储存：冷冻（-20℃）

相关类别：抗原

概述

Fusion protein corresponding to a region derived from 2-81 amino acids of human COX7B2

技术规格

Full name:	cytochrome c oxidase subunit VIIb2
Swissprot:	Q8TF08
Gene Accession:	BC035923
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	The cytochrome c oxidase (COX) family of proteins function as the final electron donor in the respiratory chain to drive a proton gradient across the inner mitochondrial membrane, ultimately resulting in the production of water and ATP. The mammalian COX apoenzyme is a dimer, with each monomer consisting of 13 subunits, some of which are mitochondrial and some of which are nuclear. COX7b (cytochrome c oxidase subunit VIIb polypeptide) and COX7b2 (cytochrome c oxidase subunit VIIb polypeptide 2) are 80 and 81 amino acid proteins, respectively, which exist as components of the COX complex, therefore playing an important role in electron transport. A rare polymorphism in the COX7b2 gene at codon 26

may be linked to nasopharyngeal carcinoma (NPC), the most common head and neck cancer in southern China.