9051 Mira Mesa Blvd, #910094
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ATP5F1 Human

Synthase Transporting Mitochondrial Fo Complex B1 Human Recombinant RCP0144

Product Overview

Name	ATP5F1 Human

Description

Synthase Transporting Mitochondrial Fo Complex B1 Human Recombinant

Accession (Primary)	P24539

Synonyms

ATP Synthase Proton-Transporting Mitochondrial F(0) Complex Subunit B1, ATP Synthase H+ Transporting, Mitochondrial Fo Complex Subunit B Isoform 1, ATPase Subunit B, ATP Synthase B Chain Mitochondrial, Cell Proliferation-Inducing Protein 47, PIG47.

Introduction

ATP5F1 is a mitochondrial ATP synthase subunit catalyzes ATP synthesis, using an electrochemical gradient of protons all through the inner membrane for the duration of the oxidative phosphorylation. ATP synthase is comprised of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, including the proton channel. The catalytic segment of mitochondrial ATP synthase contains 9 subunits: 3 alpha, 3 beta, and one unit of gamma, delta, and epsilon. The proton route is known to have 9 subunits (a, b, c, d, e, f, g, F6 and 8).

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

The ATP5F1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.

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 80% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS LILYALS KEIYVISAET FTALSVLGVM VYGIKKYGPF VADFADKLNE

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QKLAQLEEAK QASIQHIQNA IDTEKSQQAL VQKRHYLFDV QRNNIAMALE VTYRERLYRV YKEVKNRLDY HISVQNMMRR KEQEHMINWV EKHVVQSIST QQEKETIAKC IADLKLLAKK AQAQPVM

Precautions

ATP5F1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P24539)