9051 Mira Mesa Blvd, #910094
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SDHAF2 Human

Succinate Dehydrogenase Complex Assembly Factor 2 Human Recombinant RCP2013

Product Overview

Name	SDHAF2 Human

Description

Succinate Dehydrogenase Complex Assembly Factor 2 Human Recombinant

Accession (Primary)	Q9NX18

Synonyms

Succinate dehydrogenase assembly factor 2 mitochondrial, SDH assembly factor 2, Succinate dehydrogenase subunit 5, mitochondrial, hSDH5, SDHAF2, C11orf79, PGL2, SDH5.

Introduction

Succinate Dehydrogenase Complex Assembly Factor 2 (SDHAF2) is a mitochondrial protein required for the flavination of a succinate dehydrogenase complex subunit essential for activity of the complex. DHAF2 is necessary for insertion of FAD cofactor into SDHA, the catalytic subunit of succinate dehydrogenase (SDH). SDH is involved in complex II of the mitochondrial electron transport chain and is responsible for transferring electrons from succinate to ubiquinone (coenzyme Q). SDHAF2 gene defects are the cause of hereditary paragangliomas type 2 (PGL2), otherwise known as familial non-chromaffin paragangliomas type 2.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

SDHAF2 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 30% 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 SFRRFYR GDSPTDSQKD MIEIPLPPWQ ERTDESIETK RARLLYESRK

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RGMLENCILL SLFAKEHLQH MTEKQLNLYD RLINEPSNDW DIYYWATEAK PAPEIFENEV MALLRDFAKN KNKEQRLRAP DLEYLFEKPR.

Precautions

SDHAF2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9NX18)