

## Product Information

### MemDX™ Membrane Protein Human SDHC (Succinate dehydrogenase complex subunit C)

#### Expressed *in vitro* *E.coli* expression system, Full Length of Mature Protein

Cat. No.: **MPX1148K**

This product is for research use only and is not intended for diagnostic use.

This product is a Human SDHC membrane protein expressed *in vitro* *E.coli* expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

#### Product Specifications

##### Host Species

Human

##### Target Protein

SDHC

##### Protein Length

Full Length of Mature Protein

##### Protein Class

Transport

##### TMD

3

##### Sequence

LGTTAKEEMERFWNKNIGSNRPLSPHITIYSWSLPMAMSICHRG TGIALSAGVSLFGMSALLPGNFESYLELVKSLCLGPALIHTAK

#### Product Description

##### Expression Systems

*in vitro* *E.coli* expression system

##### Tag

10xHis tag at the N-terminus

##### Protein Format

Soluble

##### Form

Liquid or Lyophilized powder

##### Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

### Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

### Target

#### Target Protein

SDHC

#### Full Name

Succinate dehydrogenase complex subunit C

#### Introduction

This gene encodes one of four nuclear-encoded subunits that comprise succinate dehydrogenase, also known as mitochondrial complex II, a key enzyme complex of the tricarboxylic acid cycle and aerobic respiratory chains of mitochondria. The encoded protein is one of two integral membrane proteins that anchor other subunits of the complex, which form the catalytic core, to the inner mitochondrial membrane. There are several related pseudogenes for this gene on different chromosomes. Mutations in this gene have been associated with paragangliomas. Alternatively spliced transcript variants have been described.

#### Alternative Names

SDHC; CYBL; PGL3; QPS1; SDH3; CYB560; succinate dehydrogenase cytochrome b560 subunit, mitochondrial; cytochrome B large subunit of complex II; integral membrane protein CII-3b; large subunit of cytochrome b; succinate dehydrogenase cytochrome b; succinate dehydrogenase 3, integral membrane subunit; succinate dehydrogenase complex subunit C integral membrane protein 15kDa; succinate dehydrogenase complex, subunit C, integral membrane protein, 15kD; succinate-ubiquinone oxidoreductase cytochrome B large subunit; Succinate dehydrogenase complex subunit C

#### Gene ID

[6391](#)

#### UniProt ID

[Q99643](#)