

Product Information

MemDX™ Membrane Protein Human SURF1 (SURF1 cytochrome c oxidase assembly factor)

Full Length

Cat. No.: **MPC1452K**

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

This product is a 33.3 kDa Human SURF1 membrane protein expressed in HEK293. 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

SURF1

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

33.3 kDa

TMD

2

Sequence

MAVAALQLGLRAAGLGRAPASAAWRSVLRVSPRPGVAWRPSRCGSSAAE
ASATKAEDDSFLQWVLLIPVTAFLGLGTWQVQRRKWKLNLI AELESRVLA
EPVPLPADPMELKNLEYRPVKVRGCFDHSKELYMMPRTMVDPVREAREGG
LISSSTQSGAYVVTFFHCTDLGVTLVNRGFVPRKKNPETRQKGQIEGE
VDLIGMVRLTETRQPFV PENNPERNHWHYRDLEAMARITGAEPIDANF
QSTVPGGPIGGQTRVTLRNEHLQYIVTWYGLSAATSYLWFKKFLRGTPGV

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

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**

SURF1

Full Name

SURF1 cytochrome c oxidase assembly factor

Introduction

This gene encodes a protein localized to the inner mitochondrial membrane and thought to be involved in the biogenesis of the cytochrome c oxidase complex. The protein is a member of the SURF1 family, which includes the related yeast protein SHY1 and rickettsial protein RP733. The gene is located in the surfeit gene cluster, a group of very tightly linked genes that do not share sequence similarity, where it shares a bidirectional promoter with SURF2 on the opposite strand. Defects in this gene are a cause of Leigh syndrome, a severe neurological disorder that is commonly associated with systemic cytochrome c oxidase deficiency.

Alternative Names

SURF1; SHY1; CMT4K; MC4DN1; surfeit locus protein 1; SURF1 cytochrome c oxidase assembly factor

Gene ID

[6834](#)

UniProt ID

[Q15526](#)