

Product Information

MemDX™ Membrane Protein Human CCDC51 (Coiled-coil domain containing 51) for

Antibody Discovery

Cat. No.: **MP0424J**

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

This product is a 45.6 kDa Human CCDC51 membrane protein expressed in HEK293T. 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

CCDC51

Protein Length

Full-length

Protein Class

Transmembrane

Molecular Weight

45.6 kDa

TMD

2

Sequence

MTRTLCSPGPSQPGEKRPEEVALGLHHRLPALGRALGHSIQQRATSTAKTWWDRIYEEFVGLNEVREAQGK
VTEAEKVFVMVARGLVREAREDELEVHQAKLKEVRDRLDRVSREDSQYLELATLEHRMLQEEKRLRTAYLRA
EDSEREKFSLFSAAVRESHEKERTRAERTKNWSLIGSVLGALIGVAGSTYVNRVRLQELKALLLEAQKGP
VSLQEAIREQASSYSRQQRDLHNLMDLRLGLVHAAGPGQDSGSQAGSPPTRDRDVLVLSAALKEQLSHSR
QVHSCLEGLREQLDGLEKTCSQMAGVVQLVKSAHPGLVEPADGAMPSFLLQGSMLALSDTEQRLEAQ
VNRNTIYSTLVTCVTFVATLPVLYMLFKAS

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

CCDC51

Full Name

Coiled-coil domain containing 51

Introduction

Mitochondrial potassium channel located in the mitochondrial inner membrane. Together with ABCB8/MITOSUR, forms a protein complex localized in the mitochondria that mediates ATP-dependent potassium currents across the inner membrane (that is, mitoK(ATP) channel). May contribute to the homeostatic control of cellular metabolism under stress conditions by regulating the mitochondrial matrix volume.

Alternative Names

MITOK

Gene ID

[79714](#)

UniProt ID

[Q96ER9](#)