

Product Information

MemDX™ Membrane Protein Human TMTC2 (Transmembrane O-mannosyltransferase targeting cadherins 2) Full Length

Cat. No.: **MPC1377K**

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

This product is a 94.1 kDa Human TMTC2 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

TMTC2

Protein Length

Full length

Protein Class

Transferase

Molecular Weight

94.1 kDa

TMD

10

Sequence

MIAELVSSALGLALYLNTLSADFCYDDSRRAIKTNQDLLPETPWTHIFYND
FWGTLLTHSGSHKSYRPLCTLSFRLNHAIGGLNPWSYHLVNVLLHAAVTG
LFTSFSKILLGDGYWTFMAGLMFASHPIHTEAVAGIVGRADVGASLFFLL
SLLCYIKHCSTRGYSARTWGWFLGSGLCAGCSMLWKEQGVTVLAVSAVYD
VFVFHRLKIKQILPTIYKRKNLSLFLSISLLIFWGSSLLGARLYWMGNKP
PSFSNSDNPAADSDSLLTRTLTFFYLPTKNLWLLCPDTLSFDWSMDAVP
LLKTVCDWRNLHTVAFYTGLLLLAYYGLKSPSVDRECNGKTVTNGKQAN
GHSCSDVEYQNSETKSSFASKVENGIKNDVSQRTQLPSTENIVLSLSL
LIIPFVPATNLFFYVGFVIAERVLVYIPSMGFCLLITVGARALYVKVQKRF
LKSLIFYATLIVFYGLKTAIRNGDWQNEEMLYRSGIKVNPAAKAWGNLG
NVLKSQSKISEAESAYRNALYYRSNMADMLYNLGLLLQENSRFAEALHYY
KLAIGSRPTLASAYLNTGIILMNQGRTEEARRTFLKCSEIPDENLKDPHA
HKSSVTSCLYNLGKLYHEQGHEEALSVYKEAIQKMPRQFAPQSLYNMMG
EAYMRLSKLPEAEHWYMESLRSKTDHIPAHLTYGKLLALTGRKSEAEKLF
LKAIELDPTKGNCYMHYGQFLLEEARLIEAAEMAKKAAELDSTFDVVFN
AAHMLRQASLNEAAEKYYDLAARLRPNYPALMNLGAILHLNGLRLQKAEA
NYLRALQLKPDDVITQSNLRKLWNIMEKQGLKTSKT

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

TMTC2

Full Name

Transmembrane O-mannosyltransferase targeting cadherins 2

Introduction

The protein encoded by this gene is an integral membrane protein localized to the endoplasmic reticulum (ER). The encoded protein contains many tetratricopeptide repeats, sequences known for being involved in protein-protein interactions. This protein binds both the calcium uptake pump SERCA2B and the carbohydrate-binding chaperone calnexin, and it appears to play a role in calcium homeostasis in the ER. Multiple transcript variants encoding different isoforms have been found for this gene.

Alternative Names

TMTC2; IBDBP1; protein O-mannosyl-transferase TMTC2; transmembrane and TPR repeat-containing protein 2; transmembrane and tetratricopeptide repeat containing 2; Transmembrane O-mannosyltransferase targeting cadherins 2

Gene ID

[160335](#)

UniProt ID

[Q8N394](#)