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Product Information

MemDX™ Membrane Protein Human WFS1 (Wolframin ER transmembrane glycoprotein) Full Length

Cat. No.: **MPC1455K**
This product is for research use only and is not intended for diagnostic use.

This product is a 100.2 kDa Human WFS1 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
WFS1

Protein Length
Full length

Protein Class
Transporter

Molecular Weight
100.2 kDa

TMD
11

Sequence
MDSNTAPLGPSCPQPPPAPQPQARSRLNATASLEQERSERPRAPGPQAGP
GPGVRDAAAPAEPQAQHTRSRERADGTGPTKGDMEIPFEEVLERAKAGDP
KAQTEVGKHYLQLAGDTDEELNSCTAVDWLVLAAKQGRREAVKLLRRCLA
DRRGITSENEREVRQLSSETDLERAVRKAALVMYWKLNPKKKKQVAVAEL
LENVGQVNEHDGGAQPGPVPKSLQKQRRMLERLVSSESKNYIALDDFVEI
TKKYAKGVIPSSLFLQDDEDDDELAGKSPEDLPLRLKVVKYPLHAIMEIK
EYLIDMASRAGMHWLSTIIPTHHINALIFFFIVSNLTIDFFAFFIPLVIF
YLSFISMVICTLKVFQDSKAWENFRTLTDLLLRFEPNLDVEQAEVNFGWN
HLEPYAHFLLSVFFVIFSFPIASKDCIPCSELAVITGFFTVTSYLSLSTH
AEPYTRRALATEVTAGLLSLLPSMPLNWPYLKVLGQTFITVPVGHLVVLN
VSVPCLLYVYLLYLFFRMAQLRNFKGTYCYLVPYLVCFMWCELSVVILLE
STGLGLLRASIGYFLFLFALPILVAGLALVGVLQFARWFTSLELTKIAVT
VAVCSVPLLLRWWTKASFSVVGMVKSLTRSSMVKLILVWLTAIVLFCWFY
VYRSEGMKVYNSTLTWQQYGALCGPRAWKETNMARTQILCSHLEGHRVTW
TGRFKYVRVTDIDNSAESAINMLPFFIGDWMRCLYGEAYPACSPGNTSTA
EEELCRLKLLAKHPCHIKKFDRYKFEITVGMPFSSGADGSRSREEDDVTK
DIVLRASSEFKSVLLSLRQGSLIEFSTILEGRLGSKWPVFELKAISCLNC
MAQLSPTRRHVKIEHDWRSTVHGAVKFAFDFFFFPFLSAA

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

WFS1

Full Name

Wolframin ER transmembrane glycoprotein

Introduction

This gene encodes a transmembrane protein, which is located primarily in the endoplasmic reticulum and ubiquitously expressed with highest levels in brain, pancreas, heart, and insulinoma beta-cell lines. Mutations in this gene are associated with Wolfram syndrome, also called DIDMOAD (Diabetes Insipidus, Diabetes Mellitus, Optic Atrophy, and Deafness), an autosomal recessive disorder. The disease affects the brain and central nervous system. Mutations in this gene can also cause autosomal dominant deafness 6 (DFNA6), also known as DFNA14 or DFNA38. Alternatively spliced transcript variants have been found for this gene.

Alternative Names

WFS1; WFS; WFRS; WFSL; CTRCT41; wolframin; Wolfram syndrome 1 (wolframin); Wolframin ER transmembrane glycoprotein

Gene ID

7466

UniProt ID

O76024