

Product Information

MemDX™ Membrane Protein Human MALRD1 (MAM and LDL receptor class A domain containing 1) Full Length

Cat. No.: **MPC1908K**

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

This product is a 241 kDa Human MALRD1 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

MALRD1

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

241 kDa

TMD

1

Sequence

MLFFLDRMLAFPMNETFCCLWIACVFNSTLAQQGTESFQCDNGVSLPPDS
ICDFTDQCGDSSDERHCLNYERCFEDGLCHMTQDQSLQPSWTKRSGMIG
LSPPFYDHNGDVSAHFLSLVSRVDSISSSLRSRVFLPTNDQHDCQITFY
FSCQVSGKLMVGLQTACGGPIQHLWQNTAALPNQWERNVIKIQSSQRFQV
VFEGQMASTYEQDEVAIDDISFSSGCLPANDGILLCQEALNAERELCHP
DTDLCRFDATDEELRLCQACGFEDMCEWTSEASAGQISWMRTKAREIPA
FESTPQQDQGGDDEGYVWVGAKHGFTLNHLDSRAYLNSSVCHCLGKSCH
LQFYAMESSVLRVRLYNNKEEEIFWTYNISTHSQWVKADVLIPEDLKT
KIIFEGTLLSQRSFIALDHLWVYACGQTQSRKLCSADEFPCSTSGQCIAKE
SVCDSRQDCSDESDPATCSKHLTCDFESGFCGWEPFLTEDSHWKLMKG
LNNGEHHFPAADHTANINHGFSFIYEAQRSPGVAKLGSPVLTKLLTASTP
CQVQFWYHLSQHSNLSVFTRTSLDGNLQKQKGKIIRFSESQWSHAKIDLIA
EAGESTLPFQLILEATVLSSNATVALDDISVSQECEISYKSLPRTSTQSK
FSKCDFEANSCDWFEAISGDHFDWIRSSQSELSADFEHQAPPRDHSLNAS
QGHFMFILKKSSSLWQVAKLQSPTFSQTGPGCILSFWFYNYGLSVGAAEL
QLHMENSHDSTVIWRVLYNQGQWLEATIQLGRLSQPFHLSLDKVSGLGIY
DGVSAIDDIRFENCTLPLPAESCEGLDHFWRHTRACIEKLRLCDLVDDC
GDRTDEVNCAPELQCNFETGICNWEQDAKDDFDWTRSQGPTPTLNTGPMK
DNTLGTAKGHYLYIESSEPQAFQDSAALLSPILNATDTKGCTFRFYHMF

GKRIYRLAIYQRIWSDSRGQLLWQIFGNQGNRWIRKHLNISSRQPFQILV
EASVGDGFTGDIAIDDLFMDCTLYPGNLPADLPTPPETSVPVTLPPHNC
TDNEFICRSDGHGHCIEKMQKCDFKYDCPKSDEASCVMEVCSFEKRSLCKW
YQPIPVHLLQDSNTFRWGLGNGISIHGGEENHRPSVDHTQNTTDGWYLYA
DSSNGKFGDADILTPIISLTGPKCTLVFWTHMNGATVGSQVLIKKDNV
TSKLWAQTGQQAQWKRAEVLGIRSHQIVFRAKRGISYIGDVAVDDIS
FQDCSPLLSPERKCTDHEFMCANKHCIAKDKLCDFVNDACADNSDETTFIC
RTSSGRCDFEFDLCSWKQEKDEDFDWNLKASSIPAAGTEPAADHTLGNS
GHYIFIKSLFPQQPMRAARISSPVISKRSKNCKIIFHYHMYGNGIGALT
MQVSVTNQTKVLLNLTVQGNFWRREELSLFGDEDFQLKFEGRVGKGQRG
DIALDDIVLTENCLSLHDSVQEELAVPLPTGFCPLGYRECHNGKCYRLEQ
SCNFVDNCGDNTDENECGSSCTFEKGWCGWQNSQADNFDWVLGVGSHQSL
RPPKDHTLGNENGHFMYLEATAVGLRGDKAHFRSTMWRESSAACTMSFWY
FVSAKATGSIQILIKTEKGLSKVWQESKQNPNGNHWQKADILLGKLRFEV
IFQGIRTRDLGGGAIDIEFKNCTTVGEISELCPEITDFLCRDKKCIAS
HLLCDYKPDCSRDEAHCAHYTSTTGSCNFETSSGNWTTACSLTQDSED
DLDDWAIGSRIPAKALIPDSHTPGSGQHFLYVNSSGSKEGVARITTSKS
FPASLGMCTVRWFYFYMIDPRSMGILKVYTIIESGLNILVWSVIGNKRTGW
TYGSVPLSSNSPFKVAFEADLDGNEDIFIALDDISFTPECVTGGPVPVQP
SPCEADQFSCIYTLQCVPLSGKCDGHEDCIDGSDMDCLSPPTPLCSNM
EFPCSTDECIPSLLLCDGVPDCHFNEDELICSNKSCSNGALVCASSNSCI
PAHQRCDFGADCMDFQLDESSCSECLNYCRNGGTCVVEKNGPMCRCRQG
WKGNRCHIKFNPPATDFTYAQNNTWTLLGIGLAFLMTHITVAVLCFLANR
KVPIRKTEGSGNCAFVNPVYGNWSNPEKTESSVVSFNPPLYGTTSGSLET
LSHHLK

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 -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

MALRD1

Full Name

MAM and LDL receptor class A domain containing 1

Introduction

This gene encodes a conserved protein that features multiple MAM (meprin-A5-protein tyrosine phosphatase mu) and LDLR A2 (low density lipoprotein receptor A2) domains. Expression of this gene is enriched in the small intestine and is upregulated during differentiation of a human cell line that exhibits properties of intestinal epithelial cells. The encoded protein has been shown to modulate production of FGF19 in a human intestinal cell line and may regulate bile acid

metabolism in the liver. A synergistic interaction between an allele of this gene and the APOE E4 allele is associated with an elevated risk of Alzheimer's disease in human patients.

Alternative Names

MALRD1; DIET1; C10orf112; bA265G8.2; MAM and LDL-receptor class A domain-containing protein 1; MAM and LDL-receptor class A domain-containing protein C10orf112; novel MAM domain containing protein; MAM and LDL receptor class A domain containing 1

Gene ID

[340895](#)

UniProt ID

[Q5VYJ5](#)