

Product Information

MemDX™ Membrane Protein Human LRP8 (LDL receptor related protein 8) Full Length

Cat. No.: **MPC1625K**

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

This product is a 105.6 kDa Human LRP8 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

LRP8

Protein Length

Full length

Protein Class

Receptor

Molecular Weight

105.6 kDa

TMD

1

Sequence

MGLPEPGPLRLALLLLLLLLLLLLLLLQLQHLAAAAADPLLGGQGPAKDCEKD
QFQCRNERCIPSVWRCEDDDDCLDHSEDDDCPKKTCADSDFTCDNGHCIH
ERWKCDGEEECPDGSDSEATCTKQVCPAEKLSCGPTSHKCVPASWRCDG
EKDCEGGADEAGCATLCAPHEFQCGNRSCLAAVFVCDGDDDCGDGSDERG
CADPACGPREFRCGGDGGGACIPERWVCDRQFDCEDRSDEAAELCGRP GP
GATSAPAAACATASQFACRSGEVHLGWRCGDGRDCKDKSDEADCPLGTCR
GDEFQCGDGTCLVLAIKHCNQEQDCPDGSDSEAGCLQGLNECLHNNGGCSHI
CTDLKIGFECTCPAGFQLLDQKTCGDIDECKDPDACSQICVNYKGYFKCE
CYPGYEMDLLTKNCKAAAGKSPSLIFTNRHEVRRIDLVRNYSRLIPMLK
NVVALDVEVATNRIYWCDLSYRKIYSAYMDKASDPKEQEVLIDEQLHSPE
GLAVDWVHKHIYWTDSGNKTISVATVDGGRRTLFSRNLSEPRAIADVPL
RGFMYWSDWGDQAKIEKSGLNGVDRQTLVSDNIEWPNGITDLLSQRLYW
VDSKLHQLSSIDFSGGNRKTLISSTDFLSHPFGIAVFEDKVFWDLENEA
IFSANRLNGLEISILAENLNNPHDIVIFHELKQPRAPDACELSVQPNNGC
EYLCLPAPQISSHSPKYTCACPD TMWLGPDMKRCYRAPQSTSTTTLASTM
TRTPATTRAPGTTVHRSTYQNHSTETPSLTAAPSSVSVPRAPSISPST
LSPATSNHSQHYANEDSKMGSTVTAAVIGIIVPIVIALLCMSGYLIWRN
WKRKNTKSMNFDNPVYRKTTEEEDEDELHIGRTAQIGHVYPAAISSFDRP
LWAEPCLGETREPEDPAPALKELFVLPGEPRSQLHQLPKNPLSELPVVK
KRVALSLEDDGLP

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

LRP8

Full Name

LDL receptor related protein 8

Introduction

This gene encodes a member of the low density lipoprotein receptor (LDLR) family. Low density lipoprotein receptors are cell surface proteins that play roles in both signal transduction and receptor-mediated endocytosis of specific ligands for lysosomal degradation. The encoded protein plays a critical role in the migration of neurons during development by mediating Reelin signaling, and also functions as a receptor for the cholesterol transport protein apolipoprotein E. Expression of this gene may be a marker for major depressive disorder. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

Alternative Names

LRP8; MCI1; LRP-8; APOER2; HSZ75190; low-density lipoprotein receptor-related protein 8; ApoE receptor 2; low density lipoprotein receptor-related protein 8, apolipoprotein e receptor; LDL receptor related protein 8

Gene ID

[7804](#)

UniProt ID

[Q14114](#)