

Product Information

MemDX™ Membrane Protein Human PCDH8 (Protocadherin 8) Full Length

Cat. No.: **MPC2933K**

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

This product is a made-to-order Human PCDH8 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

PCDH8

Protein Length

Full length

Protein Class

Cell adhesion

TMD

1

Sequence

MSPVRRWGSPCLFPLQLFSLCWVLSVAQSKTVRYSTFEEDAPGTVIGTLA
EDLHMKVSGDTSFRLMKQFNSSLLRVREGDGQLTVGDAGLDRERLCGQAP
QCVLAFDVVSFSQEQFRLVHVEVEVRDNDHAPRFPRAQIPVEVSEGA
GTRIPLEVPVDEEDVGANGLQTVRLAEPHSPFRVELQTRADGAQCADLVLL
QELDRESQAAYSLELVAQDGGPRPSATAALSVRVLDANDHSPA
FPGGAVAEVELAEDAPVGSLLLDLAADPDEGPNGDVVFAFGARTPPEARLFR
LDPRSGRLTLAGPVDYERQDTYELDVRAQDRGPGPRAATCKVIVRIRDVNDN
APDIAITPLAAPGAPATSPFAAAAAAALGGADASSPAGAGTPEAGATSL
VPEGAARES
LVALVSTSDRDSGANGQVRCALYGHEHFRLQPAYAGSYLVV
TAASLDRERIAEYNLT
LVAEDRGAPPLRTVRPYTVRVGDENDNAPLFTRP
VYEVSVRENNPPGAYLATVAARDRDLGRNGQVTYRLLEAEVGRAGGAVST
YVSDPATGAIYALRSFDYETLRQLDVRIQASDGGSPQLSSSALVQVRVL
DQNDHAPVLVHPAPANGSLEVAVPGRTAKDTVVARVQARDADEGANGELA
FELQQQEPREAF
AIGRRTGEILLTGDL
SQEPPGRVFRALLVISDGGRPPL
TTTATVSFVV
TAGGGRGPAAPASAGSPERSRPPGSRLGVSGSVLQWDTPL
IVIIVL
AGSCTLLLAIIAIATTCNRRKKEVRKGGALREERPGAAGGGAS
APGSPEEAARGAGPRPNMFDVLT
FPGTGKAPFGSPAADAPPPAVAAAEVP
GSEGGSATGESACHFEGQQLRGAHAEPYGASPGFGKEPAPPVAVWKGHS
FNTISGREAEKFSGKD
SGKGDSDFNDSDSDISGDALKKDLINHMQSGLWA
CTAECKILGHSDRCWSPSCSGPNAHPSPHPPAQMSTFCKSTSLPRDPLRR
DNYYQAQLPKTVGLQSVYEKVLHRD
YDRTVTLLSPPRPGRLPDLQEIGVP
LYQSPPGRYLS
PKKANENV

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

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

PCDH8

Full Name

Protocadherin 8

Introduction

This gene belongs to the protocadherin gene family, a subfamily of the cadherin superfamily. The gene encodes an integral membrane protein that is thought to function in cell adhesion in a CNS-specific manner. Unlike classical cadherins, which are generally encoded by 15-17 exons, this gene includes only 3 exons. Notable is the large first exon encoding the extracellular region, including 6 cadherin domains and a transmembrane region. Alternative splicing yields isoforms with unique cytoplasmic tails.

Alternative Names

PCDH8; PAPC; ARCADLIN; protocadherin-8; Protocadherin 8

Gene ID

[5100](#)

UniProt ID

[O95206](#)