

Product Information

MemDX™ Membrane Protein Human PCDH1 (Protocadherin 1) Full Length

Cat. No.: **MPC2991K**

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

This product is a made-to-order Human PCDH1 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

PCDH1

Protein Length

Full length

Protein Class

Cell adhesion

TMD

1

Sequence

MDSGAGGRRRCPEAALLILGPPRMEHLRHSPGPGGQRLLLPSMALLLLLL
APSPGHATRVVYKVPEEQPPNTLIGSLAADYGFPDVGHLYKLEVGAPYLR
VDGKTGDIFFTETSIDREGLRECQNQLPGDPCILEFEVSITDLVQNGSPR
LLEGQIEVQDINDNTPNFASPVITLAIPENTNIGSLFPIPLASDRDAGPN
GVASYELQAGPEAQELFGLQVAEDQEEKQPQLIVMGNLDRERWDSYDLTI
KVQDGGSPPRASSALLRVTVLDTNDNAPKFERPSYEAELSENSPIGHSVI
QVKANDSDQGANAEIEYTFHQAPEVVRLLRLDRNTGLITVQGPVDREDL
STLRFSVLAKDRGTNPKSARAQVVTVKDMNDNAPTIEIRGIGLVTHQDG
MANISEDVAEETAVALVQVSDRDEGENAAVTCVVAGDVPFQLRQASETGS
DSKKKYFLQTTTPLDYEKVKDYTIEIVAVDSGNPPLSSTNSLKVQVVDVN
DNAPVFTQSVTEVAFPENNKPGEVIAEITASDADSGSNAELVYSLEPEPA
AKGLFTISPETGEIQVKTSLDREQRESYELKVVAAADRGSPSLQGTATVLV
NVLDCNDNDPKFMLS GYNFSVMENMPALSPVGMVTVIDGDKGENAQVQLS
VEQDNGDFVIQNGTGTLSSLSFDREQQSTYTFQLKAVDGGVPPRSAYVG
VTINVLDENDNAPYITAPSNTSHKLLTPQTRLGETVSQVAAEDFD SGVNA
ELIYSIAGGNPYGLFQIGSHSGAITLEKEIERRHHGLHRLVVKVSDRGKP
PRYGTALVHLYVNETLANRTLLETLLGHSLDTPLDIDIAGDPEYERSKQR
GNILFGVVAGVVAALLIALVLVRYCRQREAKSGYQAGKKETKDLYAPK
PSGKASKGNKSKGKSKSPKPVKPEDEDEAGLQKSLKFNLMSDAPGDSP
RIHLPLNYPGSPDLGRHYRSNSPLPSIQLQPQSPSASKKHQVVQDLPPA
NTFVGTGDTTSTGSEQSYSDYSYRTNPPKYPKQVGQPFQLSTPQPLPHPY
HGAIWTEVWE

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

PCDH1

Full Name

Protocadherin 1

Introduction

This gene belongs to the protocadherin subfamily within the cadherin superfamily. The encoded protein is a membrane protein found at cell-cell boundaries. It is involved in neural cell adhesion, suggesting a possible role in neuronal development. The protein includes an extracellular region, containing 7 cadherin-like domains, a transmembrane region and a C-terminal cytoplasmic region. Cells expressing the protein showed cell aggregation activity. Alternative splicing occurs in this gene.

Alternative Names

PCDH1; PC42; PCDH42; protocadherin-1; cadherin-like 1; cadherin-like protein 1; protocadherin 42; Protocadherin 1

Gene ID

[5097](#)

UniProt ID

[Q08174](#)