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Product Information

MemDX™ Membrane Protein Human PCDHA4 (Protocadherin alpha 4) Full Length

Cat. No.: **MPC4411K**
This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human PCDHA4 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
PCDHA4

Protein Length
Full length

Protein Class
Cell adhesion

TMD
1

Sequence
MEFSWGSGQESRRLLLLLLLLAAWEAGNGQLHYSVSEEAKHGTFVGRIAQ
DLGLELAELVPRLFRVASKGRGGLLEVNLQNGILFVNSRIDREELCRRSA
ECSIHLEVIVDRPLQVFHVDVEVRDINDNPPVFPATQKNLSIAESRPLDS
RFPLEGASDADIGENALLTYRLSPNEYFSLEKPPDDELVKGLGLILRKSL
DREEAPEIFLVLTATDGGKPELTGTVQLLITVLDANDNAPAFDRTIYKVR
LLENVPNGTLVIKLNASDLDEGLNGDIVYSFSNDISPNVKSKFHIDPITG
QIIVKGYIDFEESKSYEIIVEGIDKGGQLPLSGHCRVIVEVEDNNDNVPDL
EFKSLSLPIREDAPLGTVIALISVSDKDMGVNGLVTCSLTSHVPFKLVST
FKNYYSLVLDSALDRESVSAYELVVTARDGGSPSLWATASVSVEVADVND
NAPAFAQPEYTVFVKENNPPGCHIFTVSAWDADAQENALVSYSLVERRVG
ERALSSYVSVHAESGKVYALQPLDHEELELLQFQVTARDAGVPPLGSNVT
LQVFVLDENDNAPALLAPRAGGTGGAVSELVPWSVGVGHVVAKVRAVDAD
SGYNAWLSYELQPGTGGARIPFRVGLYTGEISTTRALDETDAPRHRLLVL
VKDHGEPALTATATVLVSLVESGQAPKASSRALVGAVGPDAALVDVNVYL
IIAICAVSSLLVLTLLLYTALRCSALPTEGACAPGKPTLVCSSAVGSWSY
SQQRRPRVCSGEGPPKTDLMAFSPSLPDSRDREDQLQTTEESFAKPRQPN
PDWRYSASLRAGMHSSVHLEEAGILRAGPGGPDQQWPTVSSATPEPEAGE
VSPPVGAGVNSNSWTFKYGPGNPKQSGPGELPDKFIIPGSPAIISIRQEP
TNSQIDKSDFITFGKKEETKKKKKKKKGNKTQEKKEKGNSTTDNSDQ

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

PCDHA4

Full Name

Protocadherin alpha 4

Introduction

This gene is a member of the protocadherin alpha gene cluster, one of three related gene clusters tandemly linked on chromosome five that demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The alpha gene cluster is composed of 15 cadherin superfamily genes related to the mouse CNR genes and consists of 13 highly similar and 2 more distantly related coding sequences. The tandem array of 15 N-terminal exons, or variable exons, are followed by downstream C-terminal exons, or constant exons, which are shared by all genes in the cluster. The large, uninterrupted N-terminal exons each encode six cadherin ectodomains while the C-terminal exons encode the cytoplasmic domain. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins that most likely play a critical role in the establishment and function of specific cell-cell connections in the brain. Alternative splicing has been observed and additional variants have been suggested but their full-length nature has yet to be determined.

Alternative Names

PCDHA4; CNR1; CNRN1; CRNR1; PCDH-ALPHA4; protocadherin alpha-4; KIAA0345-like 10; PCDH-alpha-4; ortholog of mouse CNR1; ortholog of mouse CNR1, KIAA0345-like 10; Protocadherin alpha 4

Gene ID

56144

UniProt ID

Q9UN74