

Product Information

MemDX™ Membrane Protein Human CDH4 (Cadherin 4) Full Length

Cat. No.: **MPC2047K**

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

This product is a 100.2 kDa Human CDH4 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

CDH4

Protein Length

Full length

Protein Class

Cell adhesion

Molecular Weight

100.2 kDa

TMD

1

Sequence

MTAGAGVLLLLLSLSGALRAHNEDLTRETCKAGFSEDDYTALISQNILE
GEKLLQVKFSSCVGKTGTQYETNSMDFKVGADGTVFATRELQVPSEQVAF
TVTAWDSQTAEKWDAVVRLVAQTSSPHSGHKPQKGKKVVALDPSPPPKD
TLLPWPQHQNANGLRRRKRDWVIPPINVPENSRGPFQQLVRIRSDKDND
IPIRYSITGVGADQPPMEVFSIDSMGRMYVTRPMDREEHASYHLRAHAV
DMNGNKVENPIDLYIYVIDMNDNRPEFINQVYNGSVDEGSKPGTYVMTVT
ANDADDSTTANGMVRYRIVTQTPQSPSQNMFTINSETGDIVTVAAGLDRE
KVQQYTVIVQATDMEGNLNYGLSNTATAIITVTDVNDNPPEFTASTFAGE
VPENRVETVVANLTVMDRDQPHSPNWNNAVYRIISGDP SGHFSVRTDPVTN
EGMVTVVKAVDYELNRAFMLTVMVSNQAPLASGIQMSFQSTAGVTISIMD
INEAPYFPSNHKLIRLEEGVPPGTVLTTFSAVDPDRFMQQAVRYSKLSDP
ASWLHINATNGQITTAAVLDRESLYTKNNVYEATFLAADNGIPPASGTGT
LQIYLIDINDNAPELLPKEAQICEKPNLNAINITAADADVPNIGPYVFE
LPFVPAAVRKNWTITRLNGDYAQLSLRILYLEAGMYDVPIIVTDSGNPPL
SNTSIIKVKVCPDDNGDCTTIGAVAAAGLGTGAIVAILICILLLTMVL
LFVMWMKRREKERHTKQLLIDPEDDVRDNILKYDEEGGGEEDQDYDLSQL
QQPEAMGHVPSKAPGVRRVDERPVGAEQYPIRPMVPHPGDIGDFINEGL
RAADNDPTAPPYDSLIVFDYEGSGSTAGSVSSSLNSSSSGDQDYDYLNDWG
PRFKKLADMYGGGEED

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

CDH4

Full Name

Cadherin 4

Introduction

This gene is a classical cadherin from the cadherin superfamily. The encoded protein is a calcium-dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Based on studies in chicken and mouse, this cadherin is thought to play an important role during brain segmentation and neuronal outgrowth. In addition, a role in kidney and muscle development is indicated. Of particular interest are studies showing stable cis-heterodimers of cadherins 2 and 4 in cotransfected cell lines. Previously thought to interact in an exclusively homophilic manner, this is the first evidence of cadherin heterodimerization. Three transcript variants encoding different isoforms have been found for this gene.

Alternative Names

CDH4; CAD4; RCAD; R-CAD; cadherin-4; R-cadherin; cadherin 4, type 1, R-cadherin (retinal); cadherin 4, type 1, preproprotein; retinal cadherin; Cadherin 4

Gene ID

[1002](#)

UniProt ID

[P55283](#)