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# Product Information

## MemDX™ Membrane Protein Human CDH11 (Cadherin 11) Full Length

Cat. No.: **MPC2434K**
This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human CDH11 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**
CDH11

**Protein Length**
Full length

**Protein Class**
Cell adhesion

**TMD**
1

**Sequence**
MKENYCLQAALVCLGMLCHSHAFAPERRGHLRPSFHGHHEKGKEGQVLQR
SKRGWVWNQFFVIEEYTGPDPVLVGRLHSDIDSGDGNIKYILSGEGAGTI
FVIDDKSGNIHATKTLDREERAQYTLMAQAVDRDTNRPLEPPSEFIVKVQ
DINDNPPEFLHETYHANVPERSNVGTSVIQVTASDADDPTYGNSAKLVYS
ILEGQPYFSVEAQTGIIRTALPNMDREAKEEYHVVIQAKDMGGHMGGLSG
TTKVTITLTDVNDNPPKFPQSVYQMSVSEAAVPGEEVGRVKAKDPDIGEN
GLVTYNIVDGDGMESFEITTDYETQEGVIKLKKPVDFETKRAYSLKVEAA
NVHIDPKFISNGPFKDTVTVKISVEDADEPPMFLAPSYIHEVQENAAAGT
VVGRVHAKDPDAANSPIRYSIDRHTDLDRFFTINPEDGFIKTTKPLDREE
TAWLNITVFAAEIHNRHQEAKVPVAIRVLDVNDNAPKFAAPYEGFICESD
QTKPLSNQPIVTISADDKDDTANGPRFIFSLPPEIIHNPNFTVRDNRDNT
AGVYARRGGFSRQKQDLYLLPIVISDGGIPPMSSTNTLTIKVCGCDVNGA
LLSCNAEAYILNAGLSTGALIAILACIVILLVIVVLFVTLRRQKKEPLIV
FEEEDVRENIITYDDEGGGEEDTEAFDIATLQNPDGINGFIPRKDIKPEY
QYMPRPGLRPAPNSVDVDDFINTRIQEADNDPTAPPYDSIQIYGYEGRGS
VAGSLSSLESATTDSDLDYDYLQNWGPRFKKLADLYGSKDTFDDDS

## 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**

CDH11

**Full Name**

Cadherin 11

**Introduction**

This gene encodes a type II classical cadherin from the cadherin superfamily, integral membrane proteins that mediate calcium-dependent cell-cell adhesion. Mature cadherin proteins are composed of a large N-terminal extracellular domain, a single membrane-spanning domain, and a small, highly conserved C-terminal cytoplasmic domain. Type II (atypical) cadherins are defined based on their lack of a HAV cell adhesion recognition sequence specific to type I cadherins. Expression of this particular cadherin in osteoblastic cell lines, and its upregulation during differentiation, suggests a specific function in bone development and maintenance.

**Alternative Names**

CDH11; OB; ESWS; CAD11; CDHOB; OSF-4; cadherin-11; cadherin 11, type 2, OB-cadherin (osteoblast); Cadherin 11

**Gene ID**

1009

**UniProt ID**

P55287

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