

# Product Information

## **MemDX™ Membrane Protein Human CDH11 (Cadherin 11) Expressed *in vitro* *E.coli* expression system, Full Length of Mature Protein**

Cat. No.: **MPX4023K**

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

This product is a Human CDH11 membrane protein expressed *in vitro* *E.coli* expression system. 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 of Mature Protein

#### **Protein Class**

Cell adhesion

#### **TMD**

1

#### **Sequence**

GWVWNQFFVIEEYTGPDVVLVGR LHSDIDSGDGNIKYILSGEGAGTIFVIDDKSGNIHATKTL DREERAQYTLMAQAVDRD TNRPLE

### Product Description

#### **Expression Systems**

*in vitro* *E.coli* expression system

#### **Tag**

10xHis tag at the N-terminus

#### **Protein Format**

Soluble

#### **Form**

Liquid or Lyophilized powder

#### **Buffer**

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

### Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°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, type 2, OB-cadherin (osteoblast); Cadherin 11

#### Gene ID

[1009](#)

#### UniProt ID

[P55287](#)