

# Product Information

## **MemDX™ Membrane Protein Human CDH3 (Cadherin 3) Expressed *in vitro* E.coli** **expression system, Full Length of Mature Protein**

Cat. No.: **MPX4013K**

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

This product is a Human CDH3 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

CDH3

#### Protein Length

Full Length of Mature Protein

#### Protein Class

Cell adhesion

#### TMD

1

#### Sequence

DWVVAPISVPENGKGPFPQRLNQLKSNKDRDTKIFYSITGPGADSPPEGVFAVEKETGWLLLNKPLDREEIAKYELFGHAVSENGAS

### 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

CDH3

#### Full Name

Cadherin 3

#### Introduction

This gene encodes a classical cadherin of the cadherin superfamily. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature glycoprotein. This calcium-dependent cell-cell adhesion protein is comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. This gene is located in a gene cluster in a region on the long arm of chromosome 16 that is involved in loss of heterozygosity events in breast and prostate cancer. In addition, aberrant expression of this protein is observed in cervical adenocarcinomas. Mutations in this gene are associated with hypotrichosis with juvenile macular dystrophy and ectodermal dysplasia, ectrodactyly, and macular dystrophy syndrome (EEMS).

#### Alternative Names

CDH3; CDHP; HJMD; PCAD; cadherin 3, type 1, P-cadherin (placental); calcium-dependent adhesion protein, placental; Cadherin 3

#### Gene ID

[1001](#)

#### UniProt ID

[P22223](#)