

## Product Information

### MemDX™ Membrane Protein Human CDH3 (Cadherin 3) Expressed in NS0 for Antibody

#### Discovery, Partial (108-654aa)

Cat. No.: **MPX0271K**

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

This product is a 87.4 kDa Human CDH3 membrane protein expressed in NS0. 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

Partial (108-654aa)

##### Protein Class

Cell adhesion

##### Molecular Weight

87.4 kDa

##### TMD

1

##### Sequence

DWVVAPISVPENGKGPFPQRLNQLKSNKDRDTKIFY SITGPGA  
DSPPEGVFAVEKETGWLLLNKPLDREEIAKYELFGHAVSENGASVEDPMN  
ISIIITDQNDHKPKFTQDTFRGSVLEGVLPGTSVMQVTATDEDDAIYTN  
GVVAYSIIHSQEPKDPHDLMTIHRSTGTISVISSGLDREKVPEYTLTIQA  
TDMGDGSGSTTTAVAVVEILDANDNAPMFDPQKYEAHVPENAVGHVQRLT  
VTDLDAPNSPAWRATYLMGGDDGDHFTITTHPESNQGILTTRKGLDFEA  
KNQHTLYVEVTNEAPFVLKLPSTATIVVHVEDVNEAPVFVPPSKVVEVQ  
EGIPTGEPVCVYTAEDPDKENQKISYRILRDPAGWLAMDPSGQVTAVGT  
LDREDEQFVRNNIYEVMLAMDNGSPPTTGTGTLTLLIDVNDHGPVPEP  
RQITICNQSPVRQVLNITDKDLSPTSPFQAQLTDDSDIYWTAEVNEEGD  
TVVLSLKKFLKQDQTYDVHLSLSDHGNKEQLTVIRATVCDCHGHVETCPGP  
WKGG

#### Product Description

#### Expression Systems

NS0

### Tag

hIgG1 Fc and 6xHis tag at the C-terminus

### Protein Format

Soluble

### Form

LYOPH

### Reconstitution

Reconstitute at 100 µg/mL in sterile PBS.

### Endotoxin

<0.01 EU per 1 µg of the protein by the LAL method.

### Purity

>90%, by SDS-PAGE under reducing conditions and visualized by silver stain

### Buffer

Lyophilized from a 0.2 µm filtered solution in PBS.

### 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; cadherin 3, type 1, P-cadherin (placental); calcium-dependent adhesion protein, placental; Cadherin 3

### Gene ID

[1001](#)

### UniProt ID

[P22223](#)