

# Product Information

## MemDX™ Membrane Protein Human CDH1 (Cadherin 1) expressed in insect for Antibody

### Discovery

Cat. No.: **MP0162Q**

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

This product is a 76.6 kDa Human CDH1 membrane protein expressed in Insect. 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

CDH1

#### Protein Length

Partial

#### Protein Class

Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

#### Molecular Weight

76.6 kDa

#### TMD

1

#### Sequence

MGPWSRSLSALLLLLQVSSWLCQEPEPCHPGFDAESYTFTVPRRHLEGRVLGRVNFEDCTGRQRTAYFSLDTRFKVGTGCVITV  
HHHRPPPHQASVSGIQAELLTFPNSSPGLRRQKRDWVIPPISCPENEGKGFPPKNLVQIKSNKDKEGKVFYISITGQGADTPPVGVFIE

### Product Description

#### Expression Systems

Insect

#### Tag

His

#### Form

Powder

#### Endotoxin

< 1.0 EU per 1 microgram of protein

**Purity**

>90% by SDS - PAGE

**Buffer**

10% glycerol

**Storage**

Store at +4°C for up to one week or several months at -80°C

**Target****Target Protein**

CDH1

**Full Name**

Cadherin 1

**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. Mutations in this gene are correlated with gastric, breast, colorectal, thyroid and ovarian cancer. Loss of function of this gene is thought to contribute to cancer progression by increasing proliferation, invasion, and/or metastasis. The ectodomain of this protein mediates bacterial adhesion to mammalian cells and the cytoplasmic domain is required for internalization. This gene is present in a gene cluster with other members of the cadherin family on chromosome 16.

**Alternative Names**

cadherin-1; CAM 120/80; E-cadherin 1; cadherin 1, E-cadherin (epithelial); cadherin 1, type 1, E-cadherin (epithelial); calcium-dependent adhesion protein, epithelial; cell-CAM 120/80; epididymis secretory sperm binding protein; epithelial cadherin; uvomorulin; Arc-1; BCDS1; CD324; CDHE; ECAD; LCAM; UVO; E-cadherin

**Gene ID**

[999](#)

**UniProt ID**

[P12830](#)