

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

MGPWSRSLSALLLLLQVSSWLCQEPEPCHPGFDAESYFTVPRRHLEGRVLGRVNFEDCTGRQRTAYFSLDTRFKVGTGCVITV
HHHRPPPHQASVSGIQAELLTFPNSSPGLRRQKRDWVIPPISCPENEGKGFPPKNLVQIKSNKDKEGKVFYISITGQGADTPPVGVFIIE

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](#)