

Product Information

MemDX™ Membrane Protein Human CDH5 (Cadherin 5) Expressed in NS0 for Antibody

Discovery, Partial (48-593aa)

Cat. No.: **MPX0055K**

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

This product is a 89 kDa Human CDH5 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

CDH5

Protein Length

Partial (48-593aa)

Protein Class

Cell adhesion

Molecular Weight

89 kDa

TMD

1

Sequence

DWI
WNQMHIDE EKNTSLPHHV GGIKSSVSRKNAKYLLKGEYVGKVFRVDAETG
DVFAIERLDRENISEYHLTAVIVDKDTGENLETPSSFTIKVHDVNDNWPV
FTHRLFNASVPESAVGTSVISVTAVDADDPTVGDHASVMYQILKGKEYF
AIDNSGRIITITKSLDREKQARYEIVVEARDAQGLRGDSGTATVLVTLQD
INDNFPFFTQTKYTFVVPEDTRVGTSGSLFVEDPDEPQNRMTKYSILRG
DYQDAFTIETNPAHNEGIIKPMKPLDYEYIQQYSFIVEATDPTIDLRYS
PPAGNRAQVIINITDVDEPIFQQPFYHFQLKENQKKPLIGTVLAMDPDA
ARHSIGYSIRRTSDKGQFFRVTKKGDIYNEKELDREVYPWYNLTVEAKEL
DSTGTPTGKESIVQVHIEVL DENDNAPEFAKPYQPKVCENAVHGQLVLQI
SAIDKDITPRNVKFKFILNTENNFTLTDNHDNTANITVKYGQFDREHTKV
HFLPVVISDNGMPSRTGTSTLTAVCKCNEQGEFTFCEDMAAQ

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

<0.1 EU/µg by the LAL method

Purity

>95%, 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**

CDH5

Full Name

Cadherin 5

Introduction

This gene encodes a classical cadherin of the cadherin superfamily. The encoded preproprotein is proteolytically processed to generate the mature glycoprotein. This calcium-dependent cell-cell adhesion molecule is comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Functioning as a classical cadherin by imparting to cells the ability to adhere in a homophilic manner, this protein plays a role in endothelial adherens junction assembly and maintenance. 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.

Alternative Names

7B4; CD144; cadherin-5; 7B4 antigen; VE-cadherin; cadherin 5, type 2 (vascular endothelium); cadherin 5, type 2, VE-cadherin (vascular epithelium); cd144 antigen; endothelial-specific cadherin; vascular endothelial cadherin; CDH5; Cadherin 5

Gene ID

[1003](#)

UniProt ID

[P33151](#)