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Product Information

MemDX™ Membrane Protein Human CDH7 (Cadherin 7) Expressed in CHO for Antibody Discovery, Partial (1-607aa)

Cat. No.: **MPX0306K**
This product is for research use only and is not intended for diagnostic use.

This product is a 62.2 kDa Human CDH7 membrane protein expressed in CHO. 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
CDH7

Protein Length
Partial (1-607aa)

Protein Class
Cell adhesion

Molecular Weight
62.2 kDa

TMD
1

Sequence
MKLGKVEFCHFLQLIALFLCFSGMSQAELSRSRSKPYFQSGRSRTKRSWV
WNQFFVLEEYMGSDPLYVGKLHSDVDKGDGSIKYILSGEGASSIFIIDEN
TGDIHATKRLDREEQAYYTLRAQALDRLTNKPVEPESEFVIKIQDINDNE
PKFLDGPYTAGVPEMSPVGTSVVQVTATDADDPTYGNSARVVYSILQGQP
YFSVEPKTGVIKTALPNMDREAKDQYLLVIQAKDMVGQNGGLSGTTSVTV
TLTDVNDNPPRFPRRSYQYNVPESLPVASVVARIKAADADIGANAEMEYK
IVDGDGLGIFKISVDKETQEGIITIQKELDFEAKTSYTLRIEAANKDADP
RFLSLGPFSDTTTVKIIVEDVDEPPVFSSPLYPMEVSEATQVGNIIGTVA
AHDPDSSNSPVRYSIDRNTDLERYFNIDANSGVITTAKSLDRETNAIHNI
TVLAMESQNPSQVGRGYVAITILDINDNAPEFAMDYETTVCENAQPGQVI
QKISAVDKDEPSNGHQFYFSLTTDATNNHNFSLKDNKDNTASILTRRNGF
RRQEQSVYYLPIFIVDSGSPSLSSTNTLTIRVCDCDADGVAQTCNAEAYV
LPAGLST

Product Description

Expression Systems

CHO

Tag

6xHis tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 200 μg/mL in PBS.

Endotoxin

<0.10 EU per 1 μg of the protein 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

CDH7

Full Name

Cadherin 7

Introduction

This gene encodes a type II 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 molecule is comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Type II (atypical) cadherins are defined based on their lack of a histidine-alanine-valine (HAV) cell adhesion recognition sequence specific to type I cadherins. Cadherins mediate cell-cell binding in a homophilic manner, contributing to the sorting of heterogeneous cell types. Mutations in this gene may be associated with bipolar disease in human patients. This gene is present in a gene cluster on chromosome 18.

Alternative Names

CDH7; CDH7L1; cadherin-7; cadherin 7, type 2; Cadherin 7

Gene ID

1005

UniProt ID

Q9ULB5