

Datasheet for ABIN2713023

P-Cadherin Protein (CDH3) (Myc-DYKDDDDK Tag)



[Go to Product page](#)

1 Image

1 Publication

Overview

Quantity:	20 µg
Target:	P-Cadherin (CDH3)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This P-Cadherin protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:	<ul style="list-style-type: none">• Recombinant human Cadherin-3 protein expressed in HEK293 cells.• Produced with end-sequenced ORF clone
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Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining
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Target Details

Target:	P-Cadherin (CDH3)
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Alternative Name:	Cadherin-3 (CDH3 Products)
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Background:	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
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Target Details

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).

Molecular Weight: 88.8 kDa

NCBI Accession: [NP_001784](#)

Application Details

Application Notes: Recombinant human proteins can be used for:
Native antigens for optimized antibody production
Positive controls in ELISA and other antibody assays

Comment: The tag is located at the C-terminal.

Restrictions: For Research Use only

Handling

Concentration: 50 µg/mL

Buffer: 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.

Storage: -80 °C

Storage Comment: Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

Publications

Product cited in: Pan, Zhou, Mahsut, Rohm, Berejnaia, Price, Chen, Castro-Perez, Lassman, McLaren, Conway, Jensen, Thomas, Reyes-Soffer, Ginsberg, Gutstein, Cleary, Previs, Roddy: "Static and turnover kinetic measurement of protein biomarkers involved in triglyceride metabolism including apoB48 and apoA5 by LC/MS/MS." in: **Journal of lipid research**, Vol. 55, Issue 6, pp. 1179-87, (2016) ([PubMed](#)).

Miyaji, Shahrizaila, Umapathi, Chan, Hirata, Yuki: "Are ERM (ezrin/radixin/moesin) proteins targets for autoantibodies in demyelinating neuropathies?" in: **Human immunology**, Vol. 75, Issue 11, pp. 1089-91, (2015) ([PubMed](#)).

Oh, Choung, Lee, Park, Lee, Lee, Seo, Park: "CPNE7, a preameloblast-derived factor, regulates odontoblastic differentiation of mesenchymal stem cells." in: **Biomaterials**, Vol. 37, pp. 208-17, (2015) ([PubMed](#)).

Adini, Adini, Bazinet, Watnick, Bielenberg, DAmato: "Melanocyte pigmentation inversely correlates with MCP-1 production and angiogenesis-inducing potential." in: **FASEB journal : official publication of the Federation of American Societies for Experimental Biology**, (2014) ([PubMed](#)).

Boxer, Barajas, Tao, Zhang, Khavari: "ZNF750 interacts with KLF4 and RCOR1, KDM1A, and CTBP1/2 chromatin regulators to repress epidermal progenitor genes and induce differentiation genes." in: **Genes & development**, Vol. 28, Issue 18, pp. 2013-26, (2014) ([PubMed](#)).

Images



Western Blotting

Image 1. Validation with Western Blot