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Datasheet for ABIN7520380  
**P-Cadherin Protein (CDH3) (His tag)**

### Overview

Quantity:	50 µg
Target:	P-Cadherin (CDH3)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This P-Cadherin protein is labelled with His tag.

### Product Details

Purpose:	Active Recombinant Human CDH3/P-cadherin Protein
Sequence:	DWVVAPISVP ENGKGFPPQR LNQLKSNKDR DTKIFYSITG PGADSPPEGV FAVEKETGWL LLNKPLDREE IAKYELFGHA VSENGASVED PMNISIIVTD QNDHKPKFTQ DTFRGSVLEG VLPGTSVMQV TATDEDDAIY TYNGVVAYS IHSQEPKDPHD LMFTIHRSTG TISVISSGLD REKVPEYTLT IQATDMDGDG STTTAVAVVE ILDANDNAPM FDPQKYEAHV PENAVGHEVQ RLTVTDLDAP NSPAWRATYL IMGGDDGDHF TITTHPESNQ GILTTRKGLD FEAQNQHTLY VEVTNEAPFV LKLPTSTATI VVHVEDVNEA PVFVPPSKVW EVQEGIPTGE PVCVYTAEDP DKENQKISYR ILRDPAGWLA MDPDSGQVTA VGTLDREDEQ FVRNNIYEVN VLAMDNGSPP TTGTGTLTLLT LIDVNDHGPV PEPRQITICN QSPVRQLNI TDKDLSPTS PFQAQLTDDS DIYWTAEVNE EGDVVLVSLK KFLKQDTYDV HLSLSDHGNK EQLTVIRATV CDCHGHVETC PGPWKGG
Specificity:	Asp108-Gly654
Purity:	> 85 % by SDS-PAGE.

## Product Details

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Sterility:	0.22 µm filtered
Endotoxin Level:	<1EU/µg
Biological Activity Comment:	Measured by the ability of the immobilized protein to support the adhesion of A431 human epithelial carcinoma cells. When 1x10 <sup>5</sup> cells/well are added to rhP-CAD/Fc Chimera coated plates (10 µg/mL with 100 µL/well), approximately 50-60% will adhere after 1.5 hours at 37° C.

## Target Details

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Target:	P-Cadherin (CDH3)
Alternative Name:	CDH3/P-cadherin ( <a href="#">CDH3 Products</a> )
Background:	<p>Description: Cadherin-3 (also known as P-cadherin) is a classical cell-to-cell adhesion molecule with a homeostatic function in several normal tissues. They preferentially interact with themselves in a homophilic manner in connecting cells, cadherins may thus contribute to the sorting of heterogeneous cell types. In humans, cadherin-3 is only detected in a few organs. However, its overexpression is strongly associated with a poor prognosis in some solid tumors including breast, lung and pancreatic cancers.</p> <p>Name: CDH3,CDHP,HJMD,PCAD</p>
Gene ID:	1001
UniProt:	<a href="#">P22223</a>

## Application Details

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Restrictions:	For Research Use only
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## Handling

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Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for 12 months.   After reconstitution, the protein

solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.