

## Cadherin-3 Protein, Human (630a.a, HEK293, His)

Cat. No.:	HY-P7700
Synonyms:	rHuCadherin-3, His; Cadherin-3; Placental Cadherin; CDH3;
Species:	Human
Source:	HEK293
Accession:	AAH41846.1 (E25-G654)
Gene ID:	1001
Molecular Weight:	88-110 kDa

### PROPERTIES

#### AA Sequence

E P C R A V F R E A	E V T L E A G G A E	Q E P G Q A L G K V	F M G C P G Q E P A
L F S T D N D D F T	V R N G E T V Q E R	R S L K E R N P L K	I F P S K R I L R R
H K R D W V V A P I	S V P E N G K G P F	P Q R L N Q L K S N	K D R D T K I F Y S
I T G P G A D S P P	E G V F A V E K E T	G W L L L N K P L D	R E E I A K Y E L F
G H A V S E N G A S	V E D P M N I S I I	V T D Q N D H K P K	F T Q D T F R G S V
L E G V L P G T S V	M Q V T A T D E D D	A I Y T Y N G V V A	Y S I H S Q E P K D
P H D L M F T I H R	S T G T I S V I S S	G L D R E K V P E Y	T L T I Q A T D M D
G D G S T T T A V A	V V E I L D A N D N	A P M F D P Q K Y E	A H V P E N A V G H
E V Q R L T V T D L	D A P N S P A W R A	T Y L I M G G D D G	D H F T I T T H P E
S N Q G I L T T R K	G L D F E A K N Q H	T L Y V E V T N E A	P F V L K L P T S T
A T I V V H V E D V	N E A P V F V P P S	K V V E V Q E G I P	T G E P V C V Y T A
E D P D K E N Q K I	S Y R I L R D P A G	W L A M D P D S G Q	V T A V G T L D R E
D E Q F V R N N I Y	E V M V L A M D N G	S P P T T G T G T L	L L T L I D V N D H
G P V P E P R Q I T	I C N Q S P V R Q V	L N I T D K D L S P	H T S P F Q A Q L T
D D S D I Y W T A E	V N E E G D T V V L	S L K K F L K Q D T	Y D V H L S L S D H
G N K E Q L T V I R	A T V C D C H G H V	E T C P G P W K G G	H H H H H H

#### Appearance

Lyophilized powder.

#### Formulation

Lyophilized after extensive dialysis against PBS, pH7.4.

#### Endotoxin Level

<1 EU/μg, determined by LAL method.

#### Reconstitution

It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH<sub>2</sub>O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).

#### Storage & Stability

Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

#### Shipping

Room temperature in continental US; may vary elsewhere.

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## DESCRIPTION

### Background

Cadherin-3 (P-cadherin) is a calcium dependent cell-cell adhesion glycoprotein, which has a crucial role in the conservation of the structural integrity of epithelial tissues<sup>[1]</sup>.

## REFERENCES

[1]. André Filipe Vieira, et al. P-cadherin and the journey to cancer metastasis. Mol Cancer. 2015 Oct 6;14:178.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA