

## Product datasheet for TP307346L

### P cadherin (CDH3) (NM\_001793) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human cadherin 3, type 1, P-cadherin (placental) (CDH3), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207346 protein sequence Red=Cloning site Green=Tags(s)

MGLPRGPLASLLLLQVCWLQCAASEPCRAVFREA EVTLEAGGAEQEPGQALGKVFMGCPGQEPALFSTDN  
DDFTVRNGETVQERRSLKERNPLKIFPSKRILRRHKRDWWVAPISVPENGGKPFQRLNQLKSNKDRDTK  
IFYSITGPGADSPPEGVFAVEKETGWLLL NKPLDREEIAKYELFGHAVSENGASVEDPMNISIIVTDQND  
HKPKFTQDTRFGSVLEGLVPGTSVMQMTATDEDDAIYTYNGWAYSISHSQEPKDPHDLMTIHRSTGTIS  
VISSGLDREKVPEYTLTIQATDMDGDGSTTTAVAVVEILDANDNAPMFDPPQKYEAHVPENAVGHEVQRLT  
VTDLDAPNSPAWRATYLMGGDDGDHFTITTHPESNQGILTRKGLDFAKNQHTLYVEVTNEAPFVLKL  
PTSTATIVHVEDVNEAPVFVPPSKVVEVQEGIPTGEPVCVYTAEDPKENQKISYRILRDPAGWLAMDP  
DSGQVTAVGTL DREDEQFVRNNIYEVMLAMDNGSPPTTGTGTLTLLIDVNDHGPVPEPRQITICNQSP  
VRQVLNITDKDLSPTSPFQAQLTDDSDIYWTAEVNNEEGD TVVLSLKKFLKQD TYDVHLSLSDHGNKEQL  
TVIRATVCDCHGHVETCPGPWKGGFILPVLGAVLALLFLLL VLLLVRKKRIKEPLLLPEDDTRDNV FY  
YGEEGGGEEDQDYDITQLHRGLEARPEVLRNDVAPTIIPTMYRPRPANPDEIGNFIENLKAANTDPT  
APPYDTLLVFDYEGSGSDAASLSSLTSSASDQDQDYDYLNEWGSRFKKLADMYGGGEDD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

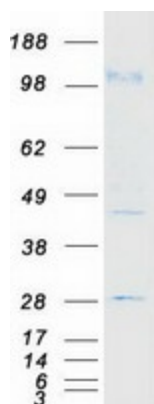
Tag:	C-Myc/DDK
Predicted MW:	88.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001784</a>
<b>Locus ID:</b>	1001
<b>UniProt ID:</b>	<a href="#">P22223</a>
<b>RefSeq Size:</b>	4276
<b>Cytogenetics:</b>	16q22.1
<b>RefSeq ORF:</b>	2487
<b>Synonyms:</b>	CDHP; HJMD; PCAD
<b>Summary:</b>	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 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). [provided by RefSeq, Nov 2015]
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Cell adhesion molecules (CAMs)

### Product images:



Coomassie blue staining of purified CDH3 protein (Cat# [TP307346]). The protein was produced from HEK293T cells transfected with CDH3 cDNA clone (Cat# [RC207346]) using MegaTran 2.0 (Cat# [TT210002]).