

## Product datasheet for TP306023M

### PCDH8 (NM\_002590) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human protocadherin 8 (PCDH8), transcript variant 1, 100 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC206023 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MSPVRRWGSPLFPLQLFSLCWVLSVAQSKTVRYSTFEEDAPGTVIGTLAEDLHMKVSGDTSFRLMKQFN  
SSLLRVREGDGQLTVGDAGLDRERLCGQAPQCFLAFDVSFSQEQFRLVHVEVEVRDNDHAPRFPRAQI  
PVEVSEGAAGVTRIPLEVPVDEEDVGANGLQTVRLAEPHSPFRVELQTRADGAQCADLVLQELDRESQAA  
YSLELVAQDGGRRPSATAALSVRLDANDHSPAFPQGAVAEVELAEDAPVGSLLLDLDAADPDEGPNGD  
VVFAGARTPPEARRLFRLDPRSGRLTAGPVDYERQDTYELDVRAQDRGPGPRAATCKVIVRIRDVNDN  
APDIAITPLAAPGAPATSPFAAAAAAAAAALGGADASSPAGAGTPEAGATSLVPEGAARES LVALVSTSDRD  
SGANGQVRCALYGHEHFRLLQPAYAGSYLVVTAASLDRERIAEYNLTLVAEDRGAPPLRTVRYPTVRVGDE  
NDNAPLFRPVYEVSVRENNPPGAYLATVAARDRLGRNGQVTYRLLAEVGRAGGAVSTYVSDPATGA  
IYALRSFDYETLRQLDVRIQASDGGSPQLSSALVQVRVLDQNDHAPVLVHPAPANGSLEVAVPGRTAKD  
TVVARVQARDADEGANGELAFELQQQEPREFAIGRRTGEILLTGDSLQEPGRVFRALLVISDGGRRPL  
TTTATVSFVVTAGGGRGPAAPASAGSPERSRPPGSR LGVSGSVLQWDTPLIIVLAGSCTLLLAIIAI  
ATTCNRRKKEVRKGGALREERPGAAGGGASAPGSPEEAARGAGPRPNMFDVLTFTPGTGKAPFGCPAADAP  
PPAVAAA E VPGSEGG SATGESACHFEGQQLRGAHAEPY GASPFGKEPAPPVAVWKGH SFNTISGREAE  
KFSGKDSGKGDSDFNDS DISGDALKKDLINHM QSGLWACTAECKILGHSDRCWSPSCSGPNAHPS PHP  
PAQMSTFCKSTSLPRDPLRRDNYYQAQLPKTVGLQSVYEKVLHRDYDRTVTLSPRRPGRPLDLQEIGVP  
LYQSPPGRYLSPKKGANENV

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

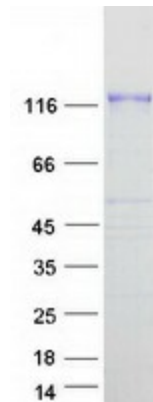
**Tag:** C-Myc/DDK  
**Predicted MW:** 109.9 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<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_002581</a>
<b>Locus ID:</b>	5100
<b>UniProt ID:</b>	<a href="#">O95206</a> , <a href="#">Q5TAN1</a>
<b>RefSeq Size:</b>	4077
<b>Cytogenetics:</b>	13q14.3
<b>RefSeq ORF:</b>	3210
<b>Synonyms:</b>	ARCADLIN; PAPC
<b>Summary:</b>	This gene belongs to the protocadherin gene family, a subfamily of the cadherin superfamily. The gene encodes an integral membrane protein that is thought to function in cell adhesion in a CNS-specific manner. Unlike classical cadherins, which are generally encoded by 15-17 exons, this gene includes only 3 exons. Notable is the large first exon encoding the extracellular region, including 6 cadherin domains and a transmembrane region. Alternative splicing yields isoforms with unique cytoplasmic tails. [provided by RefSeq, Jul 2008]
<b>Protein Families:</b>	Transmembrane

### Product images:



Coomassie blue staining of purified PCDH8 protein (Cat# [TP306023]). The protein was produced from HEK293T cells transfected with PCDH8 cDNA clone (Cat# [RC206023]) using MegaTran 2.0 (Cat# [TT210002]).