

## Product datasheet for **TP311327M**

### PCDHA4 (NM\_031500) Human Recombinant Protein

#### Product data:

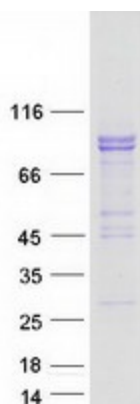
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human protocadherin alpha 4 (PCDHA4), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC211327 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MEFSWGSGQESRRLLLLLLLLAAWEAGNGQLHYSVSEEAKHGTFVGRIAQDLGLELAELVPRLFRVASKG RGGLLEVNLRNGILFVNSRIDREELCRRSAECSIHLEVIVDRPLQVFHVDVEVRDINDNPPVFPATQKNL SIAESRPLDSRFPLEGASDADIGENALLTYRLSPNEYFSLEKPPDDELVKGLGLILRKSLDREEAPEIFL VLTATDGGKPELTGTVQLLITVLDANDNAPAFDRTIYKVRLLNVNPGTLVIKLNASDLDEGLNGDIVYS FSNDISPNVKSFKHIDPITGQIIVKGYIDFEESKSYEIIIVEGIDKGQLPLSGHCRVIVEVEDNNDNVPDL EFKSLSLPIREDAPLGTVIALISVSDKDMGVNGLVTCSLTSHVPFKLVSTFKNYYSVLDSALDRESVSA YELVVTARDGGSPSLWATASVSVEADVNDNAPAFAPQPEYTVFVKENNPFGCHIFTVSAWDADAQENALV SYSLVERRVGERALSSYVSVHAESGKVYALQPLDHEELELLQFQVTARDAGVPPLGSNVTLQVFVLDEND NAPALLAPRAGGTGGAVSELVPWSVGVGHVAKVRAVDADSGYNALWSYELQPGTGGARIPFRVGLYTGE ISTTRALDETDAPRHRLLVLVKDHGEPALTATATVLVSLVESGQAPKASSRALVGAVGPDAALVDNVYL IIAICAVSSLLVLTLLLYTALRCSALPTEGACAPGKPTLVCSSAVGSWSYSQRRRPRVCSGEGPPKTDLM AFSPSLPDSRDREDQLQTTEESFAKVSV  <b>SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	82.9 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
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_113688</a>
<b>Locus ID:</b>	56144
<b>UniProt ID:</b>	<a href="#">Q9UN74</a>
<b>RefSeq Size:</b>	2594
<b>Cytogenetics:</b>	5q31.3
<b>RefSeq ORF:</b>	2394
<b>Synonyms:</b>	CNR1; CNRN1; CRNR1; PCDH-ALPHA4
<b>Summary:</b>	This gene is a member of the protocadherin alpha gene cluster, one of three related gene clusters tandemly linked on chromosome five that demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The alpha gene cluster is composed of 15 cadherin superfamily genes related to the mouse CNR genes and consists of 13 highly similar and 2 more distantly related coding sequences. The tandem array of 15 N-terminal exons, or variable exons, are followed by downstream C-terminal exons, or constant exons, which are shared by all genes in the cluster. The large, uninterrupted N-terminal exons each encode six cadherin ectodomains while the C-terminal exons encode the cytoplasmic domain. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins that most likely play a critical role in the establishment and function of specific cell-cell connections in the brain. Alternative splicing has been observed and additional variants have been suggested but their full-length nature has yet to be determined. [provided by RefSeq, Jul 2008]
<b>Protein Families:</b>	Transmembrane

### Product images:



Coomassie blue staining of purified PCDHA4 protein (Cat# [TP311327]). The protein was produced from HEK293T cells transfected with PCDHA4 cDNA clone (Cat# [RC211327]) using MegaTran 2.0 (Cat# [TT210002]).