

Product datasheet for **TP310867**

PCDHGB5 (NM_032099) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human protocadherin gamma subfamily B, 5 (PCDHGB5), transcript variant 2, 20 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC210867 protein sequence Red =Cloning site Green =Tags(s) |

MGSGAGELGRAERLPVLFLLSLFCPALCEQIRYRIPEEMPKGSVGNLATDLGFSVQELPTRKLRVSS
EKPYFTVSAESGELLVSSRLDREEICGKKPACALEFEVAENPLNFYHVNVEIEDINDHTPKFTQNSFEL
QISESAQPGTRFILEVAEDADIGLNSLQKYKLSLNPFSFLIIEKQDGSKYPELALEKTLTDREQQSYHRL
VLTALDGGHPPLSGTTELRIQVTDANDNPPVFNRDVYRVSRLRENVPPGTTVLQVSATDQDEGINSEITYS
FYRTGQIFSLNSKSGEITTQKKLDFEETKEYSMVVEGRDGGGLVAQCTVEINIQDENDNSPEVTFHSLLE
MILENAVPGTLIALIKIHDQDSGENGEVNCQLQGEVPFKIISSSKNSYKLVTDGTLTDREQTPEYNVTITA
TDRGKPLSSSISVILHIRDVNDNAPVFHQASYLVSPENPPGASIAQVCASDLGLNGQVSYSIMAS
DLEPLALASYVMSAQSAGVFAQRAFQDYELRTFELTLQARDQGSALANVSLRVLVGDNRNDNAPRVLY
PALGPDGSALFDMVPRAAEPGYLVTKVAVDADSGHNWLSYHVLQASEPGLFSLGLRTGEVVRTARALGD
RDAARQRLLVAVRDGGQPPLSATATLHLVFADSLQEVLPDITDRPVSPDPQAEQFLVVALALISVFLFL
LAVILAVALRLRRSSPAAWSCFQPLCVKSGPVPPNYSQGTLPSYNYLCAHTGKTEFNFLKCEQSL
SGQDILCGDSSGALFPLCNSSESTSHPELVSFYVYVYFSLPTQFSVFT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

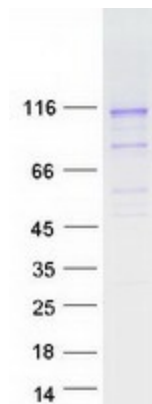
| | |
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| Tag: | C-Myc/DDK |
| Predicted MW: | 86 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |



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| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_115270 |
| Locus ID: | 56101 |
| UniProt ID: | Q9Y5G0 |
| RefSeq Size: | 2457 |
| Cytogenetics: | 5q31.3 |
| RefSeq ORF: | 2454 |
| Synonyms: | PCDH-GAMMA-B5 |
| Summary: | This gene is a member of the protocadherin gamma gene cluster, one of three related clusters tandemly linked on chromosome five. These gene clusters have an immunoglobulin-like organization, suggesting that a novel mechanism may be involved in their regulation and expression. The gamma gene cluster includes 22 genes divided into 3 subfamilies. Subfamily A contains 12 genes, subfamily B contains 7 genes and 2 pseudogenes, and the more distantly related subfamily C contains 3 genes. The tandem array of 22 large, variable region exons are followed by a constant region, containing 3 exons shared by all genes in the cluster. Each variable region exon encodes the extracellular region, which includes 6 cadherin ectodomains and a transmembrane region. The constant region exons encode the common cytoplasmic region. These neural cadherin-like cell adhesion proteins most likely play a critical role in the establishment and function of specific cell-cell connections in the brain. Alternative splicing has been described for the gamma cluster genes. [provided by RefSeq, Jul 2008] |

Product images:



Coomassie blue staining of purified PCDHGB5 protein (Cat# TP310867). The protein was produced from HEK293T cells transfected with PCDHGB5 cDNA clone (Cat# [RC210867]) using MegaTran 2.0 (Cat# [TT210002]).