

Product datasheet for TP311028

PCDHGB2 (NM_032096) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human protocadherin gamma subfamily B, 2 (PCDHGB2), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC211028 protein sequence Red=Cloning site Green=Tags(s)

MKASSGRCGLVRWLQVLLPFLLSLFPGALPVQIRYSIPEELAKNSVWGNLAKDLGLSVRDLPARKLRVSA
EKEYFTVNPESGDLVSDRIDREQICGKQPLCVLDFDTVAENPLNIFYAVIVQDINDNTPLFKQTKINL
KIGESTKPGTTFPLDPALDSVGPNSLQRYHLNDNEYFDLAEKQTPDGRKYPELILKHSLDREEHSLHQL
VLTAVDGGDPPQSGTTQIRIKVTDANDNPPVFSQDVYRVTLREDVPPGFFVLQVTATDRDEGINAEITYS
FHNVDEQVKHFFNLNEKTGEITTKDDLDFEIASSTLSIEAKDPGDAAHCSIQVEILDDNDCAPEVIVT
SVSTPLPEDSPPGTVIALIKTRDRDSGENGEVYCQVLGNAKFIKSSSKNYKLVTDGALDREEIPEYNL
TITATDGGKPLSSSIIVTLHISDVNDNAPVFQQTSMVHVAENPPGASIAQISASDPDLGSPSQVSY
IVASDLKPREILSYVSAQSGVFAQRAFDEHQLRAFELTLQARDQGSPALSANVSLRVLVGDLDNDNAP
RVLYPALGPDGSALFDMVPRAAEPGYLVTKVAVDADSGHNAWLSYHVLQASEPGLFSLGLRTGEVRTAR
ALGDRDAARQRLVAVRDGGQPPLSATATLHLIFADSLQEVLPDLSDRREPSDPQAKLQFYLVALALIS
VLFFLAVILAI SLRRLSSRSDAWDCFQPLSSKPGPGVLPNYSEGTLPYSYNLCVASQSAKTEFNFLNI
TPELVPAQDLVCDNASWEQNTNHGAAGVPFASDTILKVSFN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	85.1 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_115267](#)

Locus ID: 56103

UniProt ID: [Q9Y5G2](#)

RefSeq Size: 2436

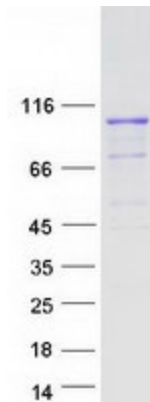
Cytogenetics: 5q31.3

RefSeq ORF: 2433

Synonyms: PCDH-GAMMA-B2

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 PCDHGB2 protein (Cat# TP311028). The protein was produced from HEK293T cells transfected with PCDHGB2 cDNA clone (Cat# [RC211028]) using MegaTran 2.0 (Cat# [TT210002]).