

Product datasheet for TP314360

PCDHGA6 (NM_018919) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Purified recombinant protein of Homo sapiens protocadherin gamma subfamily A, 6 (PCDHGA6), transcript variant 1, 20 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC214360 representing NM_018919
Red=Cloning site **Green**=Tags(s)

MAPPQRHPQRSEQVLLLTLLGTLWGAAAAQIRYSIPEELEKGSFVGNIVKDLGLEPQELAEHGVRIVSRG
RMQLFSLNPRNGSLVTAGRIDREELCAQSPRCLVSFNILVEDKLNLYPVEVEIVDINDNTPRFLKEELEV
KILENAAPSSRFPLMEVYDPDVGMNSLQGFKLSGNSHFSVDVQSEAHGPKYPELVLEGLDREGEAVYRL
VLTAMDGGDPVRSVAQILVTVLDVNDNTPMFTQPVYRVSVPENLPVGTPTVAVTATDQDEGVHGEVTYS
FVKITEKISQIFCLNVLGTGEISTSANLDYEDSSFYELGVEARDGPGLRDRAKVLITLDVNDNVPEVVT
SGSRTIAESAPPGTVIALFQVFDSDGLNGLVTCISIPRSLPFELEKSVGNYYRLVTNAALDREEVFLYNI
TVTATDKGTPPLSTETIISLNVADTNDNPPTFPHSSYSVYVLENNPRGASIFSVNALDPDQNAQVSY
LAEDTLQGAPLSSYVSINSDTGILYALRSFDYEQLRDLQLWWTASDSGDPPLSSNVLSLFLVDQNDNAP
EILYPALPTDGGSTGVELAPRSAEPGYLVTKVAVDRDSGQNAWLSYRLLKASEPGLFSVGLHTGEVRTAR
ALLDRDALKQSLVAVQDHGQPPLSATVTLTAVADRIDLADLGSLEPSAKPNDSDLTLVAVAAV
SCVFLAFVIVLLALRLQRWHKSRLQASGGGLASMPGSHFVGVGVRFLQYTSHEVSLTADSRKSHLIF
PQPNYADTLINQESYEKSEPLLITQDLLETGKGEPRQLQQAPPNTDWRFSQAQRPGTSGSQNGDDTGTWPN
NQFDTEMLQAMILASASEAADGSSTLGGGAGTMGLSARYGPQFTLQHVPDYRQNVYIPGSNATLTNAAGK
RDGKAPAGGNGNKKKSGKKEKK

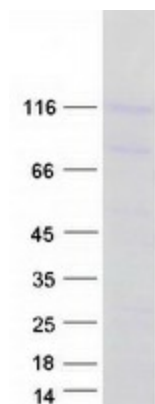
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK
Predicted MW: 97.7 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



[View online »](#)

| | |
|--------------------------|---|
| 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. |
| 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_061742 |
| Locus ID: | 56109 |
| UniProt ID: | Q9Y5G7 |
| RefSeq Size: | 4605 |
| Cytogenetics: | 5q31.3 |
| RefSeq ORF: | 2796 |
| Synonyms: | PCDH-GAMMA-A6 |
| Summary: | <p>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]</p> |
| Protein Families: | Transmembrane |

Product images:

Coomassie blue staining of purified PCDHGA6 protein (Cat# TP314360). The protein was produced from HEK293T cells transfected with PCDHGA6 cDNA clone (Cat# [RC214360]) using MegaTran 2.0 (Cat# [TT210002]).