# Recombinant Human PCDHGA6 Protein, MYC/DDK-tagged

**Cat. No.** PCDHGA6-542H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant human PCDHGA6 protein, fused to MYC/DDK tag at C-terminus, was expressed in HEK293. |
| **Species** | Human |
| **Source** | HEK293 |
| **Description** | 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]. |
| **Form** | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol. |

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| **Molecular Mass** | 97.7 kDa |
| **Purity** | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| **Concentration** | >50 ug/mL as determined by microplate BCA method |

## GENE INFORMATION

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| **Gene Name** | protocadherin gamma subfamily A, 6[ Homo sapiens ] |
| **Official Symbol** | PCDHGA6 |
| **Synonyms** | PCDH-GAMMA-A6; PCDH-GAMMA-A6 |
| **Gene ID** | 56109 |
| **mRNA Refseq** | NM_018919.2 |
| **Protein Refseq** | NP_061742.1 |
| **MIM** | 606293 |
| **UniProt ID** | Q9Y5G7 |

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