Recombinant Human PCDHGA2 Protein, MYC/DDK-tagged

Cat. No. PCDHGA2-541H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PCDHGA2 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	87 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	protocadherin gamma subfamily A, 2[Homo sapiens]
Official Symbol	PCDHGA2
Synonyms	PCDH-GAMMA-A2; PCDH-GAMMA-A2
Gene ID	56113
mRNA Refseq	NM_032009.1
Protein Refseq	NP_114398.1
MIM	606289
UniProt ID	Q9Y5H1

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