

Proteoliposomes

Full-Length

PCDHGA9 (Human) Recombinant Protein

Catalog # H00056107-G01

Size 10 ug

Specification

Product Description

Human PCDHGA9 full-length ORF (ADR83273.1) recombinant protein without tag.
This product is belong to Proteoliposome (PL).

Sequence

MAAPTKCQLRGRVLVLLCSLLGMLWEARASQIRYSVPEETKGYVGNISKDLALEPRELAERRVRI
VSRGRTQLFSLNPRSGTLVTAGRIDREELCAQSPRCLVNFKVLVEDRVKLYGIEIVTDINDSAPKF
QAESLEVKINEIAVPGARYPLPEAIDPDVGVNSLQSYQLSPNHHFSLNVQTGDNGAINPELVLERA
LDREEATAHHLVLTASDGGEPRRSSTVRIHVTVLDTNDNAPVFAQRIRVKVLENVPPGTWLLTAT
ASDLDEGINGKVAYKFWKINEKQSLLFQLNENTGEISTAKSLDYECSFYEMEIQAEDEGGGLKGWT
KVLISVEDVNDNRPEVTITSLFSPVREDAPQGTVILLFNAHDRDSGKNGQVVCSIQENLSFTLENS
EEDYYRLLTAQILDREKASEYNITVTATDRGTPPLSTEIHITLQVTDINDNPPAFSQASYSVYLPENNA
RGTSIFSVIAYDPDSNENSRVIYSLAEDTIQGSPLSTYVSINSDTGVLALCSFDYEQFRDLQMQVTA
SDSGSPPLSSNVSLRLFVLDQNDNAPEILYPALPTDGTGVELAPRSAEPGYLVTKVAVDRDSG
QNAWLSYRLFKASEPGLFSVGLHTGEVRTARALLDRDALKQSLVVAVQDHGQPPLSATVTLTVAI
ADSIDILADLGSLQIPADLEASDLTYLVVAVAVVSCVFLTFVITLLALRLRHHSSHLLRATSDGL
AGVPTSHFVGVDGVRAFLQTYSQEFSLTADSRKSHLIFPQPNYADTLISQQSCEKNEPLCVSVDS
KFPIEDTPLVPVSSFFFFLSFLFLFFVLFCF

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

91.09999999999999

Interspecies Antigen Sequence

Mouse (81); Rat (80)

Form

Liquid

Preparation Method

[in vitro wheat germ expression system with proprietary liposome technology](#)

Purification

None

Recommend Usage

Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Storage Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Antibody Production

Gene Info — PCDHGA9

Entrez GeneID [56107](#)

GeneBank Accession# [HQ258519.1](#)

Protein Accession# [ADR83273.1](#)

Gene Name PCDHGA9

Gene Alias PCDH-GAMMA-A9

Gene Description protocadherin gamma subfamily A, 9

Omim ID [606296](#)

Gene Ontology [Hyperlink](#)

Gene 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]

Other Designations -