

Recombinant Human PCDHA4 cell lysate

Cat. No. PCDHA4-1296HCL Lot. No. (See product label)

SPECIFICATION

Species

Human

Description

This gene is a member of the protocadherin alpha gene cluster, one of three related gene clusters tandemly linked on chromosome five that demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The alpha gene cluster is composed of 15 cadherin superfamily genes related to the mouse CNR genes and consists of 13 highly similar and 2 more distantly related coding sequences. The tandem array of 15 N-terminal exons, or variable exons, are followed by downstream C-terminal exons, or constant exons, which are shared by all genes in the cluster. The large, uninterrupted N-terminal exons each encode six cadherin ectodomains while the C-terminal exons encode the cytoplasmic domain. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins that most likely play a critical role in the establishment and function of specific cell-cell connections in the brain. Alternative splicing has been observed and additional variants have been suggested but their full-length nature has yet to be determined.

Size

100 ul

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Applications

Western Blot;

GENE INFORMATION

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Gene Name	PCDHA4 protocadherin alpha 4 [Homo sapiens (human)]
Official Symbol	PCDHA4
Synonyms	PCDHA4; CNR1; CNRN1; CRNR1; PCDH-ALPHA4; protocadherin alpha 4; protocadherin alpha-4; PCDH-alpha-4; KIAA0345-like 10; ortholog of mouse CNR1
Gene ID	56144
mRNA Refseq	NM_018907
Protein Refseq	NP_061730
MIM	606310
UniProt ID	Q9UN74
Chromosome Location	5q31
Function	calcium ion binding

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