

Recombinant Human PCDHB2 cell lysate

Cat. No. PCDHB2-1299HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Description

This gene is a member of the protocadherin beta gene cluster, one of three related gene clusters tandemly linked on chromosome five. The gene clusters demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The beta cluster contains 16 genes and 3 pseudogenes, each encoding 6 extracellular cadherin domains and a cytoplasmic tail that deviates from others in the cadherin superfamily. The extracellular domains interact in a homophilic manner to specify differential cell-cell connections. Unlike the alpha and gamma clusters, the transcripts from these genes are made up of only one large exon, not sharing common 3 exons as expected. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins. Their specific functions are unknown but they most likely play a critical role in the establishment and function of specific cell-cell neural connections.

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Gene Name	PCDHB2 protocadherin beta 2 [Homo sapiens]
Official Symbol	PCDHB2
Synonyms	PCDHB2; protocadherin beta 2; protocadherin beta-2; PCDH BETA2; PCDH-beta-2; PCDH-BETA2; MGC111392;
Gene ID	56133
mRNA Refseq	NM_018936
Protein Refseq	NP_061759
MIM	606328
UniProt ID	Q9Y5E7
Chromosome Location	5q31
Function	calcium ion binding;

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