

## Recombinant Human PCDHB16 cell lysate

**Cat. No.** PCDHB16-1298HCL    **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

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|                            |                                                                                                                                                                                                                      |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | PCDHB16 protocadherin beta 16 [ Homo sapiens ]                                                                                                                                                                       |
| <b>Official Symbol</b>     | PCDHB16                                                                                                                                                                                                              |
| <b>Synonyms</b>            | PCDHB16; protocadherin beta 16; protocadherin beta-16; cadherin ME1; KIAA1621; ME1; PCDH BETA16; PCDH3X; PCDHB8a; PCDHbeta 16; protocadherin 3x; PCDH-beta-16; protocadherin-3x; protocadherin beta 8a; PCDH-BETA16; |
| <b>Gene ID</b>             | 57717                                                                                                                                                                                                                |
| <b>mRNA Refseq</b>         | NM_020957                                                                                                                                                                                                            |
| <b>Protein Refseq</b>      | NP_066008                                                                                                                                                                                                            |
| <b>MIM</b>                 | 606345                                                                                                                                                                                                               |
| <b>UniProt ID</b>          | Q9NRJ7                                                                                                                                                                                                               |
| <b>Chromosome Location</b> | 5q31                                                                                                                                                                                                                 |
| <b>Function</b>            | calcium ion binding;                                                                                                                                                                                                 |