Recombinant Human PCDHB7 cell lysate

Cat. No. PCDHB7-1300HCL **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. The transcript for this particular family member uses more than one polyadenylation site.
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;

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GENE INFORMATION

Gene Name	PCDHB7 protocadherin beta 7 [Homo sapiens]
Official Symbol	PCDHB7
Synonyms	PCDHB7; protocadherin beta 7; protocadherin beta-7; PCDH BETA7; PCDH-beta-7; PCDH-BETA7; MGC111391; MGC163205;
Gene ID	56129
mRNA Refseq	NM_018940
Protein Refseq	NP_061763
MIM	606333
UniProt ID	Q9Y5E2
Chromosome Location	5q31
Function	calcium ion binding;

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