Recombinant Human PCDHB8 Protein, His-tagged

Cat. No. PCDHB8-1920H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PCDHB8 Protein (Ser61-Ser220) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser61-Ser220
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 21.9 kDa

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	Accurate Molecular Mass: 23 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	PCDHB8 protocadherin beta 8 [Homo sapiens (human)]
Official Symbol	PCDHB8
Synonyms	PCDHB8; protocadherin beta 8; PCDH3I; PCDH-BETA8; protocadherin beta-8; protocadherin-3i
Gene ID	56128
mRNA Refseq	NM_019120

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Protein Refseq	NP_061993
MIM	606334
UniProt ID	Q9UN66

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