Recombinant Human PCDHB15 protein, His & T7-tagged

Cat. No. PCDHB15-1127H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PCDHB15 aa. (Val35~Leu347 (Accession # Q9Y5E8) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Val35~Leu347
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: 38.2kDa.

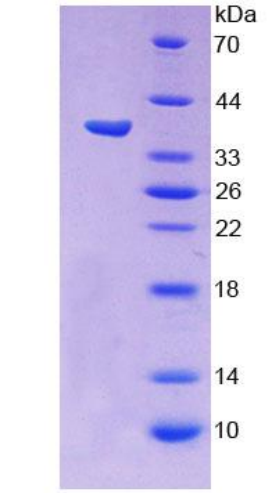
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Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 4.5.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	PCDHB15 protocadherin beta 15 [Homo sapiens (human)]
Official Symbol	PCDHB15
Synonyms	PCDHB15; protocadherin beta 15; PCDH-BETA15; protocadherin beta-15
Gene ID	56121

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mRNA Refseq	NM_018935.3
Protein Refseq	NP_061758.1
UniProt ID	Q9Y5E8
SDS-PAGE	 15% SDS-PAGE

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