

Recombinant Full Length Human PCDHB11 Protein

Cat. No. PCDHB11-7025HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human full-length PCDHB11 was expressed in wheat germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	797 amino acids
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	Liquid
Molecular Mass	87.7 kDa

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AA Sequence

MENQGTTRTQQIRQVLLL FVLLGMSQAGSETWSFSVAEEMQSGSFVGNLAKDLGLK
VRELSSRGARVVSNDKKQRL QLDINTGDL LSETLDREELCGSIEPCVLHLQVLMQN
PTQFLQIELQVRDINDHSPIFSEKQMLLEIPENSPVGA VFLLES AKDL DVGINAVKSYT
ISPNSHFHIKMRVIPDNRKYPELVLDKALDYEELPELSFILSALDGGSPPRSGT ALVR
VVVDINDNSPEFEQAFYEVKIRENSILGSLILIVSAWDLDSGTNGEICYTFSHASEDIR
KTFEINQKSGE ITRAPLDFETIESYSIIIQATDGGGLFGKSTVIIHVIDVNDNAPEITVS
SITSPIPENTPETVVMVFSIQDIDS GDNGRIVCSIPEDLPFVLKSSVENYYTLETERPL
DRESTAEYNITITVTDLGIPRLKTEHNTTVLVSDVNDNAPT FTQTSYTLFVRENNSPA
LHIGSVSATDRDSGTNAQVNYSLLPPQDLHLPLASLVSINTDNHGLFALRSLDY EALQ
AFDFRVGATDRGSPALSSEALVRVLVLDANDNSPFVLYPLQNGSAPCTELVPRAAE
PGYLVTKVVAVDGD SGQNA WLSYQLLKATEPGLFGVWAHNGEVRTARLLSERDAA
KHRLVVLVKDNGEPPRSATATLQVLLVDGFSQPYLPLPE AAPAQQAQADSLTVYLVV
ALASVSSLFLFSVLLFVAVRLCRRSRAASVGSCSVKGPFPGLHLDVSGTGTL SQSY
Q YEVC LTGGSETNEFKFLKPVIPNIQAKGLGKNSEENSTFRNSFGFNF

Applications

Antibody Production; Functional Study; Compound Screening

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol.

GENE INFORMATION
Gene Name

PCDHB11 protocadherin beta 11 [Homo sapiens]

Official Symbol

PCDHB11

Synonyms

PCDHB11; protocadherin beta 11; protocadherin beta-11; cadherin ME2; ME2; PCDH BETA11; PCDH-beta-11; PCDH-BETA11; MGC138337; MGC142171

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Gene ID	56125
mRNA Refseq	NM_018931
Protein Refseq	NP_061754
MIM	606337
UniProt ID	Q9Y5F2

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