

Recombinant Human PCDHB12 protein, AFPn/His-tagged

Cat. No. PCDHB12-101H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PCDHB12 cDNA (27–690aa, derived from BC045637) fused with a human Alpha-Fetal Protein N-terminal domain (AFPn)-His-TEV cleavage site (219aa) at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	27-690 a.a.
Form	0.2 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
AA Sequence	MTLHRNEYGIASILDSYQCTAEISLADLATIFFAQFVQEATYKEVSKMVKDALTAIEKP TGDEQSSGCLENQLPA FLEELCHEKEILEKYGHSDCCSQSEEGRHNCFLAHKKPTP ASIPLFQVPEPVTSCAYEEDRETFMNKFIYEIAR RHPFLYAPTILLWAARYDKIIPSC CKAENAVECFQTKAATVTKELRESSGGSHHHHHHGSENLYFQGGSGSETGNF LVME ELQSGSFVGNLAKTLGLEVSELSSRGARVVSNDNKECLQLDTNTGDLLLREMLDRE ELCGSNEPCVLYFQV LMKNPTQFLQIELQVRDINDHSPVFLEKEMLLEIPENSPVGA VFLLES AKDL DVGINAVKSYTINPNSHFHVKIR VNP DNRKYPELVLDKALDYEERPEL SFILTALDGGSPPRSGTALVRVVVDINDNSPEFEQAFYEVKILENSILG SLVVTVSA WDLDSGTNSELSYTFSHASEDIRKTFEINQKSGDITLTAPLDFAIESYSIIIQATDGGG LFGKSTV RIQVMDVNDNAPEITVSSITSPIENTPETVVMVFRIRDRDSDNGKMVC SIPEDIPFVLKSSVNNYYTLETERP LDRESRAEYNITITVTDLGTPRLKTEHNITVLVSD

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VNDNAPAFQTQTSYALFVRENNSPALHIGSISATDRDSGTN AQVNYSLLPSQDPHLPL
 ASLVSINADNGHLFALRSLDYALQGFQFRVGGATDHGSPALSSEALVRVLVLDANDN
 S PFVLYPLQNGSAPCTELVPWAAEPGYLVTKVVAVDGDSGQNAWLSYQLLKATEP
 GLFGVWAHNGEVRTARLLSER DAAKHRLVVLVKDNGEPPRSATATLHVLLVDGFS
 QPYLPLPEAAPAQADSLTVYL

Purity >90% by SDS-PAGE

Applications 1. May be used for in vitro PCDHB12 mediated neuronal cell communication regulation study with this protein as either coating matrix protein or soluble factor.2. May be used as PCDHB12 protein-protein interaction assay.

Storage Keep at -80centigrade for long term storage. Product is stable at 4 centigrade for at least 30 days.

GENE INFORMATION

Gene Name PCDHB12 protocadherin beta 12 [Homo sapiens]

Official Symbol PCDHB12

Synonyms PCDHB12; protocadherin beta 12; protocadherin beta-12; PCDH BETA12; PCDH-beta-12; PCDH-BETA12;

Gene ID 56124

mRNA Refseq NM_018932

Protein Refseq NP_061755

MIM 606338

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UniProt ID	Q9Y5F1
Chromosome Location	5q31
Function	calcium ion binding;

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