

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

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MTLHRNEYGIASILDSYQCTAEISLADLATIFFAQFVQEATYKEVSKMVKDALTAIEKP
TGDEQSSGCLLENQLPA FLEELCHEKEILEKYGHSDCCSQSEEGRHNCFLAHKKPTP
ASIPLFQVPEPVTSCAYEEDRETFMKNFIYEIAR RHPFLYAPTILLWAARYDKIIPSC
CKAENAVECFQTKAATVTKELRESSGGSHHHHHHGSENLYFQGGSGSETGNF LVME
ELQSGSFVGNLAKTLGLEVSELSSRGARVVSNDNKECLQLDTNTGDLLLREMLDRE
ELCGSNEPCVLYFQV LMKNPTQFLQIELQVRDINDHSPVFLEKEMLLEIPENSPVGA
VFLLES AKDL DVGINAVKSYTINPNSHFHVKIR VNPDNRKYPELVLDKALDYEERPEL
SFILTALDGGSPPRSGTALVRVVVDINDNSPEFEQAFYEVKILENSILG SLVVTVSA
WDLDSGTNSELSYTFSHASEDIRKTFEINQKSGDITLTAPLDFAIESYSIIIQATDGGG
LFGKSTV RIQVMDVNDNAPEITVSSITSPIENTPETVVMVFRIRDRDSDGNGK MVC
SIPEDIPFVLKSSVNNYYTLETERP LDRESRAEYNITITVTDLGTPLRKTEHNITVLVSD
    
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VNDNAPAFQTQTSYALFVRENNSPALHIGSISATDRDSGTN AQVNYSLLPSQDPHLPL
 ASLVSINADNGHLFALRSLDYEALQGFQFRVGGATDHGSPALSSEALVRVLDANDN
 S PFVLYPLQNGSAPCTELVPWAAEPGYLVTKVVAVDGDSGQNAWLSYQLLKATEP
 GLFGVWAHNGEVRTARLLSER DAAKHRLVVLVKDNGEPPRSATATLHVLLVDGFS
 QPYLPLPEAAPAQQAQADSLTVYL

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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