

Product datasheet for RC224130L3

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OriGene Technologies, Inc.

PCDHB6 (NM_018939) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: PCDHB6 (NM_018939) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: PCDHB6

Synonyms: PCDH-BETA6

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

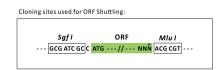
E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC224130).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_018939

ORF Size: 2382 bp





PCDHB6 (NM_018939) Human Tagged Lenti ORF Clone - RC224130L3

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 018939.2</u>

 RefSeq Size:
 3030 bp

 RefSeq ORF:
 2385 bp

 Locus ID:
 56130

 UniProt ID:
 Q9Y5E3

 Cytogenetics:
 5q31.3

Domains: CA

Protein Families: Transmembrane

MW: 84.1 kDa

Gene Summary: 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. Unlike the alpha and gamma clusters, the transcripts from these genes do not share common 3' exons. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins that most likely play a critical role in the establishment and function of specific cell-cell neural connections. Alternative splicing results in multiple transcript variants. [provided by RefSeq,

Dec 2014]