

Product datasheet for MC225057

Pcdh15 (NM_001142736) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcdh15 (NM_001142736) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pcdh15
Synonyms:	av; BB078305; ENSMUSG00000046980; Gm9815; nmf19; roda; Ush1f
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC225057 representing NM_001142736 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

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CCCACCATAGAGCTCTCTTTAAAGGACAACGTGGACTACTGGGTGTTGCTGGACCCGTTAAACAGATGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001142736
Insert Size:	5811 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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_001142736.1</u> , <u>NP_001136208.1</u>
RefSeq Size:	9043 bp
RefSeq ORF:	5811 bp
Locus ID:	11994
UniProt ID:	<u>Q99PJ1</u>
Cytogenetics:	10 37.43 cM

Gene Summary:

Calcium-dependent cell-adhesion protein. Required for inner ear neuroepithelial cell elaboration and cochlear function. Probably involved in the maintenance of normal retinal function.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (C) lacks two alternate in-frame exons in the 5' and 3' coding region, compared to variant A. The resulting isoform (CD1-4), also known as protocadherin-15-CD1 isoform 4, lacks a 5-aa segment near the N-terminus and a 2-aa segment near the C-terminus, compared to isoform CD1-1.