

## Product datasheet for MR227209

### Pcdh15 (NM\_001142742) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pcdh15 (NM_001142742) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pcdh15
Synonyms:	av; BB078305; ENSMUSG00000046980; Gm9815; nmf19; roda; Ush1f
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR227209 representing NM_001142742 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGGATCGCC**

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**Protein Sequence:**

>MR227209 representing NM\_001142742  
 Red=Cloning site Green=Tags(s)

MFLQFAVWKCLPHGILIASLLVSWGQYDDDWQYEDCKLARGGPPATIVAIDEESRNGTILVDNMLIKGT  
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 YTETESEFSESETTESESETPSEEA EESSTPESESESESESEGEKARKNIVLARRRPVVEEIQEVKGR  
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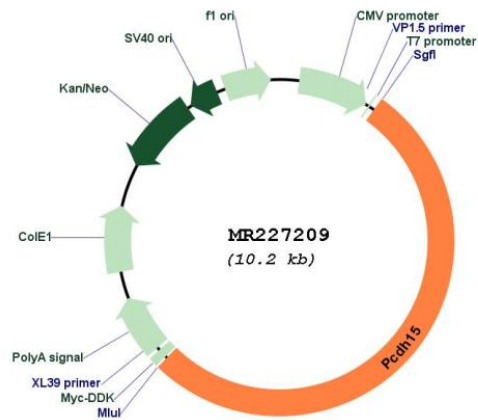
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



<b>ACCN:</b>	NM_001142742
<b>ORF Size:</b>	5370 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001142742.1</a> , <a href="#">NP_001136214.1</a>
<b>RefSeq Size:</b>	6303 bp
<b>RefSeq ORF:</b>	5373 bp
<b>Locus ID:</b>	11994
<b>UniProt ID:</b>	<a href="#">Q99PJ1</a>
<b>Cytogenetics:</b>	10 37.43 cM
<b>MW:</b>	199.4 kDa
<b>Gene Summary:</b>	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]