

Product datasheet for **MG227204**

Pcdh15 (NM_001142741) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcdh15 (NM_001142741) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pcdh15
Synonyms:	av; BB078305; ENSMUSG00000046980; Gm9815; nmf19; roda; Ush1f
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG227204 representing NM_001142741 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

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ATGCTTTTCTGAACAGTACCGAAGAGTTCTGGATAGAGACCCACCAATGAACATACACTCCATTGTGG
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CAAGCAAATGACCGTGCACAAAATCTGAATGAGAGGCGAACAACCACCACCCTCACAGTAGATGTTT
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG227204 representing NM_001142741
 Red=Cloning site Green=Tags(s)

MFLQFAVWKCLPHGILIASLLVVSQYDDGTILVDNMLIKGTAGGPDPTIELSLKDNVDYVLLDPVKQ
 MLFLNSTGRVLDLDRPPMNIHSIVVQVQVKNKVGTVIYHEVRIVVRDRNDNSPTFKHESYYATVNELTPV
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 QANDRAQNLNERRTTTTLTVDLGDGDLGPMFLPCVLPNTRDCRPLTYQAAIPELRTPEELNPIVLP
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 HPLPAFASLHIEILDENNQSPYFTMPYQGYILESAPVGATISESLNLTPLRIVALDKDIEDTKDELH
 LFLNDYTSVFTVPTGITRYLTLQPVDREEQTYTFLITAFDGVQSEPVVNVIRVMDANDNTPTFPEI
 SYDVVYVYTDMSPGDSVIQLTAVDADEGSNGEISYEILVGGKGFVINKTTGLVSIAPGVELIVGQTYALT
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 KVVVESIGARRHGDAYSLDYSKCDLTVYAIDPQTNRAIDRNELFKFLDGKLLDINKDFQPPYGGGRIL
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 APVPAAPAPPPPPPPPPGAHLYEELGESAMHNLFLLYHFEQSRGNNSVPEDRSSHRDGMAFSSSTESH
 EPAHVEGPLKESQPNPARTFSFVPDEDNLSTHNPLYMESIGQRSTNSDLQPRTFEELLAPRTQVKSQSL
 RGPREKIQRVWNQSVFPRRLMWKAPNRPETIDLVEWQITNQRAECESARCHPSQRGSSNVLLATEDAHE
 SEKEGGHRDTLIVQQTEQLKSLSSGSSFSSSWSHFSFSTLPTISRARELGESEPNVVTSPADCTLELSPPL
 RPRILNSLSSKRETPCASDTEPKRNSFEIAPHPPSISAPLPHPLPRPPIAFTTFPLPLSPPNPPPPQL
 VTFSLPISTPPTSSLPLPPPLSLPPPPPPAPRLLFPQPPSTSIPTSDSISAPAAKCTASATHARETTSTT
 QPPASNPQWGAEPHRHPKILRHVKNLAELEKSVSNMYSHIEKNCPPADPSKLTHTCPAEKTMKITHDQ
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TRTRPLE - GFP Tag - V

Restriction Sites:

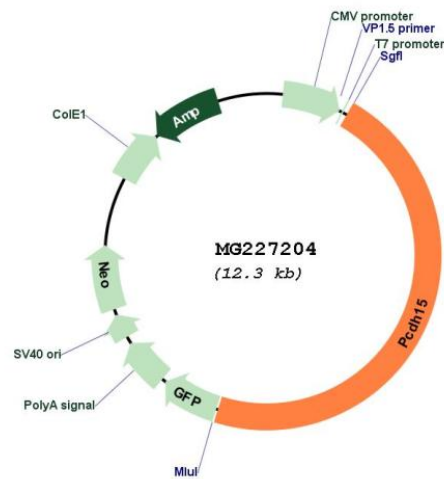
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001142741
 ORF Size: 5739 bp

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:	<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:	NM_001142741.1 , NP_001136213.1
RefSeq Size:	8974 bp
RefSeq ORF:	5742 bp
Locus ID:	11994
UniProt ID:	Q99PJ1
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]