

Product datasheet for **MG211238**

Pcdhga11 (NM_033594) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcdhga11 (NM_033594) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pcdhga11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG211238 representing NM_033594
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGAATCAGTCTCAGCGCCTGGACCGCCGCGCTGATCCCCTGTGCATTTTCTGGGACCTTGC
 TGACCTTTGGGACAGGACAGATCCGATACTCGGTTCCAGAAGAAACAGATAAAGGCTTCTCGTAGGCAA
 CATCTCCAAAGACCTGGGGCTGGAGCCCTGGGAGGTGCGGGAACGCGGAGTCCGCATCATCTCCAGGGGA
 CAATCGCAGCTTTTCTCTCTGAATCCGCGAGGCGGCAGCTTGGTCACTGCAGGTAGGATCGACCGTGAAG
 AGCTATGTGATACGATGCCCTCTGCATGCTGAATTTGGAAATTCGTTGGAGGAAACCCTGAAGATTTA
 CGGAGTTGAGGTGGAAGTACTGGACATTAACGATAACGCTCCAGCTTCCGGGAAGAGGAAGTAGAGATC
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 TGAATCCCTCCAGAGCTACCAGCTCAGCCCAAGCAGTATTTCTCTTGCAGGTGAGAGCGGGACTGA
 TGGGGACAAGAATCCAGAGCTAGTGTGGAGGAAGGTCTGGACCGGGAGAAAGAGGCATCTCACCACCTC
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 ACGTCAATGATCACATCCAAAATTTACACAGCCTGTGTATAGAGTGAGTATTCTGAAAACCTCAGCTC
 CGGGACGCGGGTCTCGTGGTAAATGCCTCAGACCCAGATGAGGGGATCAACGGGGAAGTGATATACTCT
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 TGTATGCCCTGCAATCCTTCGACTATGAGCAATCCAGACCTTACAACCTGGGAGTGACCGCTAGTGATAA
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 GAGATTTTATACCCTCTCTCCCTACCGATGGTCCACTGGTGTGGAATTAGCACCTCGCTCCGAGAGC
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 CCTGCTCAAAGCCAGCGAGCCAGGACTTCTCTCCGTGGGGCTGCACACGGGGGAGGTACGCACGGCCCGA
 GCCATGATGGACAAGATGCTCTCAAACAGAGTCTCGTGGTAACTGTGCAAGACCACGGCCAGCCTCCTC
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 CAGCCCAACTATGCAGACACACTCATCAGCCAGGAGAGCTGTGGGAAAAGCGAGCCTCTCCTGATAACTG
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 GCACGTGCTGACTACCGCCAGAACGTGTACATCCCTGGCAGCAATGCCACGCTGACCAATGCCGCTGGC
 AACGAGATGGCAAGGCTCCAGCAGGTGGTAATGGCAACAAGAAGAAATCGGGCAAGAAAGAGAAGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG211238 representing NM_033594
 Red=Cloning site Green=Tags(s)

MANQSQRLDRRALIPLCIFLGTLLTFGTGQIRYSVPEETDKGFFVGNISKDLGLEPWEVAERGVRIISRG
 QSQFLSLNPRGGSLVTAGRIDREELCDTMPSCMLNLEILVEETLKIYGVEVEVLDINDNAPSFREEEVEI
 KVSEHTSPGSRFPLPSARDPDAGMNSLQSYQLSPSSYFSLQVRGGTDGDKNPFLVEEGLDREKEASHHL
 LLTALDGGDPVRKGTVPPIRVVLDVNDHHPKFTQPVYRVSIPENLSSGTRVLVNASDPDEGINGEVIYS
 FRKMKSKASEIFQLNSQTGEVLVGKPLDFEKYRFYEMEIQQDGGLLSTTTLLITVEDVNDNAPEITVT
 SASNSVPENSPSGTVIALLNVQDQDSGENGQVSCFIPSGLPFKLEKTYGNYYKLIITNSELDREQVESYNI
 TLIAKDQGSPPLSTETHLLLKVADANDNPPVFSSSSYLAYIPENNPRGSSIFSVTAIDRDSRENAQVYS
 LAEYTIQGTPLSSYVSINSDTGVLVALQSFDFEQFQLQLGVTASDNGDPPLSSNISLTLFVLDQNDNTP
 EILYPSLPTDGGSTGVELAPRSAEPGYLVTKVAVDRDSGQNAWLSYRLLKASEPGLFSVGLHTGEVRTAR
 AMMDKDALKQSLVVTVDHQPPLSATVKLTVAVADSIPEVLEDLVSLESPANPDESGLTLYLVVAITAV
 SCIFLIFVMVLLALKLRWHSRLRLQAASGLAGVPPSHFVVDGMRAFLQTYSHVSLTADSRKSHLIFP
 QPNYADTLISQESCGKSEPLLITEDSTTVLGKCEPTDIQQAPPNTDWRFSQAQRPGTSGSQNGDETGTWP
 NNQFDTEMLQAMILASASEAADGSSTLGGGAGTMGLSARYGPQFTLQHVDPYRQNVYIPGSNATLTNAAG
 KRDKAPAGGNGNKKKSGKKEK

TRTRPLE - GFP Tag - V

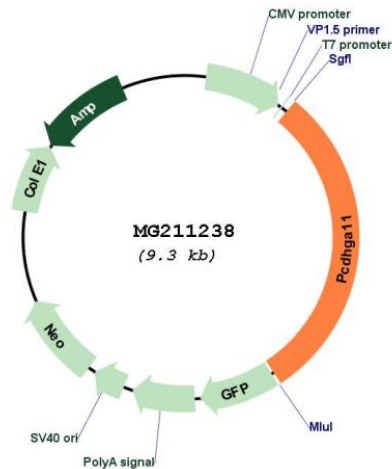
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_033594

ORF Size: 2799 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:

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_033594.2](#), [NP_291072.1](#)

RefSeq Size: 4764 bp

RefSeq ORF: 2802 bp

Locus ID: 93723

Cytogenetics: 18 B3