

Product datasheet for **MG211214**

Pcdhga3 (BC060691) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcdhga3 (BC060691) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pcdhga3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG211214 representing BC060691
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATCCGCTCTGGGACAAGGAACCCGAGGAGCTTTGTTGTGCGCGCTCCTGGGAACGCTGTGCGCGGCTG
 GTTTCAGGCAGATCCGCTACTCGGTGCCGGAGGAAGCTGGACAAAGGCTCCTTCGTGGGCAACATCTCCAA
 GGACCTAGGGCTGGAGCCCCGAGAGCTGGCGGAGCGCGGGTCCGCATCATCTCCAGAGGTAATCTCAG
 CTTTTCTCTGGACCCGCAAGCGGCAGCTTGGTCACCAGGGGCAGGATAGACCGGGAAGAGCTGTGTG
 CTCAGAGCGCGCCCTGTCTCGTCAGCTTAAACATCCTTGTGGAGGATAAGCTGAAAATATTTGAGGTAGA
 AGTTGACATTAGCGATATTAATGATAATGCTCCTAGTTTTCCAACGGAGGAATGGAAAATAAAATTTGGT
 GAACTAACAGTTCCTGGAACCCGATTCCCACTTAAACTGCATTTGACCCGGATGTGGGCATGAACGCC
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 GCCTCTGATGGCGGAGACCCTGTGCACACCAGCAAGTTGTGCATCCAGGTGATAGTCTCGGATGCAAATG
 ACAACCCACCTGTGTTTACCAAGCCAGAGTACCATGTCAGTGTGTTTGGAAAATGTGCCAGTGGGCACCCG
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 GGCTCGGTCCCAGAGGAGGCTCCCGCTGGAAGAGAAAATCGCACTTATCAATGTACACGACCGAGATTCTG
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 ATACTACCGATTAGTGACAGCCAGATCTTTGGATCATGAGGAGGTGCCAATATAATATCAGTCTAAGA
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 ACAACCTCCTACATTACGCACGCCTCCTATTAGCCTATATCCAGAAAAAATGCTAGGGGAGCCTC
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 TCCACTGAGCAGCAACACAACACTGAACCTATTTGTGCTGGACCAGAATGACAACACACCTGAGATCCTG
 TATCCGACCTCCAGTAGACGGTTCACAGGGTTGAGTTGGCACCCCGCTCTGCAGATCCTGGATACC
 TGGTGACCAAAGTGGTGGCAGTAGACAAAGACTCAGGACAGAACGCCCTGGCTGTCTACCGCTGTCAA
 GGCCAGTGAGCCAGGGCTCTTCTCAGTAGGGCTGCACACAGGAGAGGTACGCACTGCTCGGGCCCTGCTG
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 GGGGCGCTGGCACCATGGGTCTGAGCGCTCGATACGGACCCAGTTTACCCTGCAGCACGTGCTGACTA
 CCGCCAGAACGTGATACCTGGCAGCAATGCCACGTGACCAATGCCGCTGGCAAACGAGATGGCAAG
 GCTCCAGCAGGTGTAATGGCAACAAGAAGAAATCGGGCAAGAAGAGAAGAAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG211214 representing BC060691
 Red=Cloning site Green=Tags(s)

MIRLGQGTAGALLCALLGTLCAAGFRQIRYSVPEELDKGSFVGNISKDLGLEPRELAERGVRIISRKGSQ
 LFLSDPRSGSLVTRGRIDREELCAQSAPCLVSNILVEDLKI FEVEVDISDINDNAPSFPTEELEIKIG
 ELTVPGTRFPLKTA FDPDVG MNALQNYKLNNDYFSLAVNSVIDDAKYPELVLERALDREKKAHVHQLDLI
 ASDGGDPVHTSKLCIQIVSDANDNPPVFTKPEYHVSVLNVPVGT RLITVNATDPDEGFNAQVSYILDK
 MPGKIAQVFHLNSVTGDISILKSLDYEDAVFY EIKIEAQDGPGLFSRAKVLVTVLDVNDNAPEVSVTSLT
 GSVPEEAPAGREIALINVHDRDSGQNGQVTVFVLGNLPFTLEKSIDQYYRLVTARSLDHEEVSQYNISLR
 ATDGGSPPLSTETHITLHVSDINDNPPTFTHASYSAYIPENNARGASIFSVTAQDPD TDKNAQV TYSLAE
 DTLQGLPLSSYISINSNTGVL YALCSFDYEQFRDLQLQITARDSGTPPLSSNTTLNLFVLDQNDNTPEIL
 YPTLPVDGSTGVELAPRSADPGYL VTKVAVDKDSGQNAWLSYRLLKASEPGLFSVGLHTGEVRTARALL
 DRDALKQSLVAVQDHGQPPLSATVTLTIAVADSIPDILGDLESIHTPANPQNSDLTYLVAVAVVSCI
 FLAFVIVLLALRLRRWYSRLQASGNLAGIPASHFVGLDGVQAF LQTYSQEVSLTAGSRKSHLIFPQPN
 YADTLISQESCGKSEPLIIPQDLLET KDPTLPQQAPPNTDWRFSQAQRPGTSGSQNGDETGTWPNNQFD
 TEMLQAMILASASEAADGSSTLGGGAGTMGLSARYGPQFTLQHVPDYRQNVYIPGSNATLTNAAGKRDGK
 APAGGNGNKKKSGKKEKK

TRTRPLE - GFP Tag - V

Restriction Sites:

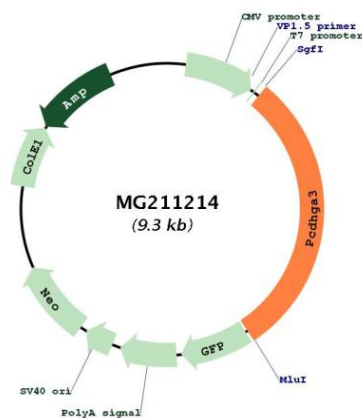
SgfI-MluI

Cloning Scheme:



ACCN:	BC060691
ORF Size:	2786 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:	BC060691 , AAH60691
RefSeq Size:	4763 bp
RefSeq ORF:	2786 bp
Locus ID:	93711
Cytogenetics:	18 B3

Product images:



Circular map for MG211214