

Product datasheet for **MG221450**

Pcdhga10 (NM_033593) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcdhga10 (NM_033593) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pcdhga10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG221450 representing NM_033593
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGCTCAAAGGAATCTCTCAGAGCGCACAACTGGTCCTCTTTTCTTATGGATGCCTGGGAAT
 CCGCAGCTCGGCAGATCCGCTATTCAGTTCTGAGGAAGTACAGAAAGGCTCTTTTGGGCAACATCGC
 CAAGGACCTGGGCTGGAGCCCCGCCAGCTGGCGGAACGCGGGTCCGCATCATCTCCAGAGGTAGTCT
 CAGCTTTTCTCTGAACCCGCGAGGCGGCAGCTTAGTACCAGCGGGCAGGATAGACCGGGAGGAGCTGT
 GCGCCAGAGCGGCCCTGTCTCGTCAGCTTAAACATCCTTGTGAAGATAGAGTGAAACTTTTCGGGAT
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 CTCTGCAGAGCTACCAGCTCAGTCCAATAAACACTTCTCCCTAGTCGTTAGAGCGGTGCTAAGGGCGT
 CAAGTACCGGAGCTAGTGTGGAACAGGCCCTAGATCGTGAGGAAGAGGCGATTACCACCTGGTCTC
 GTGGCCTCTGACGGAGGAAACCCCTCCAGATCGGGCACTGTCTCATCACTGTGACCGTCTTTGATGCAA
 ATGACAATGCTCCAGTCTCACCTCCACTGAATACCGCGTGAACATTCGGAGAACCTGCCTGTGGGCAC
 CCAACTGCTAAAGGTAACCGCCACCGACAAGAGCAAGGTGCCAATGGAGAAGTGACATATGCATCCGA
 AAATCGCTGGACACAAATTGTCAAAATCCAAGTACAGCAACATACCGGAGAAATAAAAATTTCTGAAA
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 CAAGGCCAGCAACAGGGCTCTCACTGTAGGGTGCACACGGGTGAGGTGCGCACAGCCCGAGCCCTG
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 TGACTACCGCCAGAACGTGTACATCCCTGGCAGCAATGCCAGCTGACCAATGCCCTGGCAACGAGAT
 GGCAAGGCTCCAGCAGGTGTAATGGCAACAAGAAGAAATCGGGCAAGAAAGAGAAGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG221450 representing NM_033593
 Red=Cloning site Green=Tags(s)

MAAQRNLSERTKLVLLFLWMPWESAARQIRYSVPEELEKGSFVGNIAKDLGLEPRQLAERGVRIISRGRS
 QLFSLNPRGSSLVTAGRIDREELCAQSAPCLVSFNILVEDRVKLFGEIEVTDVNDNAPKFQAEPLDVKI
 NENVAPGMRFPLEATDPDVGVNSLQSYQLSSNKHFSLVVQSGAKGVKYPELVLEQALDREEEAIIHHLVL
 VASDGGNPPRSGTVLITVTVFDANDNAPVFTSTEYRVNIPENLPVGTQLLKVTATDKDEGANGETVYAFR
 KSLDTQLSKFQLDKHTGEIKISENL DYEEMSFYEIEIQ AEDGGAYLATAKVLITVEDVNDNSPEVTITSL
 FSPVTEDSPVGTVIALLNVDLDSGQNGEVACISGNL PFKLEKSIDNYRVLVTQRALDREQVPAYNITV
 TATDGGNPPPLSTKADFTLQVADINDNPPTFSHPSYFTYIPENNPRGASIFSVTALDPDSKENAQIVYSLA
 EDTIEGAPLSSYISINSDTGILYALWSFDYEQFRELQVQV TASDSGKPPPLHSNLSLTLFVLDQNDNSPEI
 LYPTMPTDGSTGVELAPRSAELGYLVTKVVAVDRDSGQNAWLSYRLLKASEPGLFTVGLHTGEVRTARAL
 MERDALKQSLVVAVQDHGQPPLSATVTLTVAVADSI PDVLADLGNLEPPQDSEASNLTLYLVVAAVAVSC
 VFLAFVIVLLALKLRWHKSHVLQSSRDGLAGVPASHYVGV DGVRAFLQTY SHEVSLTADSRKSHLIFPQ
 PNYADTLISQESCEKDP LSLDDSKCPVEDAPLVPQAPPNTD WRF SQAQRPGTSGSQNGDETGTWPNNQ
 FDT EMLQAMILASASEAADGSSTLGGGAGTMGLSARYGPQFTLQHVPDYRQNVYIPGSNATLTNAAGKR
 DKAPAGGNGNKKKSGKKEKK

TRTRPLE - GFP Tag - V

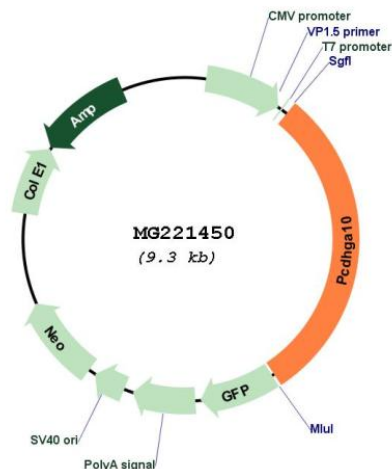
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_033593

ORF Size: 2790 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_033593.4](#)

RefSeq Size: 4534 bp

RefSeq ORF: 2793 bp

Locus ID: 93722

Cytogenetics: 18 B3