

Product datasheet for **MR211235**

Pcdhga5 (NM_033588) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcdhga5 (NM_033588) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pcdhga5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR211235 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGCAGACCCACCGAGGCGCTGGATCTGCAACGACTTGTGACGTTCTTCATGCTGCTGGGGACGCTGT
GCGCGCCAGGAAAGGGGCAGATCCGCTACTCTGTGCGGGAGGAGCTGGACAAAGGCTCCTTCGTGGGCAA
CATCTCCAAGGACCTGGGCTGGAGCCCCGCGAGCTGGCGGAGCGCGGGTCCGATTATCTCCAGAGGT
AGGTGCGAGCTTTTCTCTCTGAACCCGCGAGGCGGAGCCTGGTCACCGCGGCGAGGATAGACAGGGAAG
AGCTGTGCGTCCAGAGCTCTCCCTGTCTCGTCAGCTTTAATCTTGGTTGAAAAATAAATGAAAAATTA
TGGAGTAGAAGTGGAAATCCTTGATATTAATGATAACTTCCCCGGTTCCGCGATGAGGAGTTAAAAAGTA
AAAGTTAATGAAAACGAGCTGCAGGAACACGTTTGGTGTCTCCCTTCGCGAGAGATGGGATGTGGGTG
TGAATTCCTCCAGGTTACAAGCTTAGCTCAACCGGCACTTCTCTGAGCTGAAGAGCGGATCTGA
CGGGCAAAAACACCCAGAGTTGGTGTGGAACAGCCCCGGACCGTGAGAAGGAGTCTGCTCATGACCTG
GTCTCTACAGCTTTGGATGGCGGAAACCCAGTACTTTCGAGCACCGTCCATATCAGCGTGACCGTTCTTG
ATGCAACGATAACGCACCCCTGTGTACCCAAAGCGAATATAGGGTGAGTGTCCGGAGAACACACCTGT
GGGCACTAGACTCCTCAGCTACCGCCACGGATGCAGACGAGGGAATCAACGCAAGTTGACCTTCTCT
TTCCGCAACGAAGAAGACAAAATTTCTGAACTTTCCAACCTCGATTCTAATCTTGGGGAAATCTCAACTA
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TCTTGCCAGCGCTAAGGTGTTGGTCACAGTCCAGGATGTGAATGACAATGCCCGAGAAGTGATACTCACC
TCCCTCACCAGCTCCGCTCTGAAGACTGTCTACCCGGAACCATTAATTGCGCTTTTCAGCGTACATGATG
CTGATTCTGGGGAGAATGGAGAAATTTATGTTCTATTCCAAAAACCTGCCCTTCAAACCTGGAAAAAGTC
AGTTGATAATTACTATCACCTACTAACCAAGAGCACTGGATAGAGAAGAGACTTCAGATTATAACATC
ACAGTGACCGTTGTTGACCGTGGAACCTCTCCCTGTCTACAGAAAACCATCTCTCTGAAAGTAGCCG
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AGGTGTCTCCATTTTTTCGGTTTACGCTATGACGCTGACAGTGGTGATAACGCCCAAGTCACTTACTCC
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CTGGATACCTGGTAACCAAAGTGGTGGCAGTGGACAAAGATTCCGGACAGAATGCCTGGTTGTCCTACCG
CCTGCTCAAGGCCAGTGAACCAGGACTCTTCTCAATAGGGCTTCACACGGGTGAGGTGTGCACAGCAAGG
GCTCTGTTGGATAGAGATGTTCTCAAGCAGAGCCTGGTGGTGGCTGTCCAGGACCATGGCCAGCCCCCTC
TCTCAGCCACTGTCACACTCACTATCGCTGTAGGAGATAGCATCCAGATGTACTGACTGACTTAGGCAA
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CCCCAGCCCAATTATGCTGACAGGCTCATTAGTGAAGAGAGCTGTGAGAAGAGTGAGCCTTTCTGATAC
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AACCAGTTTGATACAGAGATGCTGCAAGCCATGATCTTGGCTCTGCCAGCGAAGCTGCTGATGGGAGCT
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CGTGCCTGACTACCGCCAGAACGTGTACATCCCTGGCAGCAATGCCACGCTGACCAATGCCGCTGGCAAA
CGAGATGGCAAGGCTCCAGCAGGTGTAATGGCAACAAGAAGAAATCGGGCAAGAAGAGAAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211235 protein sequence
Red=Cloning site Green=Tags(s)

MADPPRRWICNDLLTFFMLLGLTLCAPGKGQIRYSVREELDKGSFVGNISKDLGLEPRELAERGVRIRISRG
 RSQFLSLNPRGGS�VTAGRIDREELCVQSSPCLVSFNILVENKMKIYGVEVEILDINDNFRPRFDEELKV
 KVNENAAAAGTRLVLPFARDGDVGVNSLQGYKLSNRHFLSLDVKSGSDGQKHPELVLEQPLDREKESAHL
 VLTALDGGNPVLSSVHISVTVLDANDNAPLFTQSEYRVSPENTPVGTRLLTLTATDADEGINAKLTFSS
 FRNEEDIKISETFQLDSNLGEISTIQSLDYEESRFYLMVVAQDGGALLASAKVLVTVQDVNDNAPEVILT
 SLTSSVSEDCLPGTIIALFSVHADADSGENGEISCSIPKNLPFKLEKSVDNYYHLLTTRALDREETS DYNI
 TVTVVDRGTPPLSTENHISLKVADINDNPPTFSRPFYSTSISENNPRGVSIFSVYAYDADSGDNAQVTYS
 LAENTFQEVPVSSYVSINSDTVLYALQSFDEYHLRDLQLLVTAKDSGTPPLSSNVSMSLFVLVDQNDNIP
 EILYPTIPTDGSTGVELAPRSAEPGYLVTKVVAVDKDSGQNAWLSYRLLKASEPGLFSIGLHTGEVCTAR
 ALLDRDVLKQSLVVAVQDHGQPLSATVTLTIAVGDSIPDVLTDLGNHNTLAEPQSDLTLYLVVSVAVV
 SCVFLGFVTLLALRLRHWHMSRLLQTSTGRLADMPASHFVGMDGVQAYLQTYSHEISLTDKSKSHLIF
 PQPNYADRLISEESCEKSEPLLPHNIHHTHKEEPPGDAQQAPPNTDWRFSQAQRPGTSGSQNGDEGTWPN
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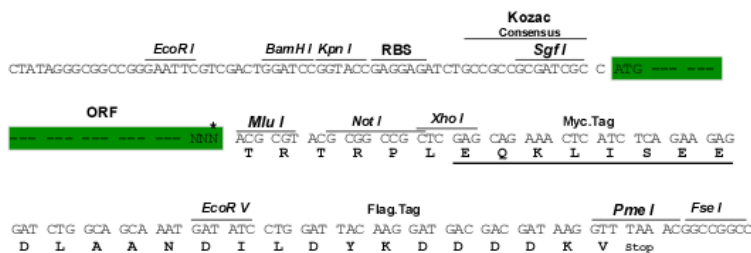
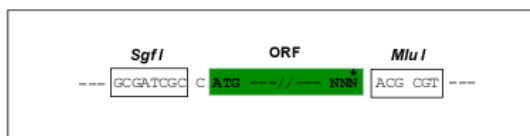
TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



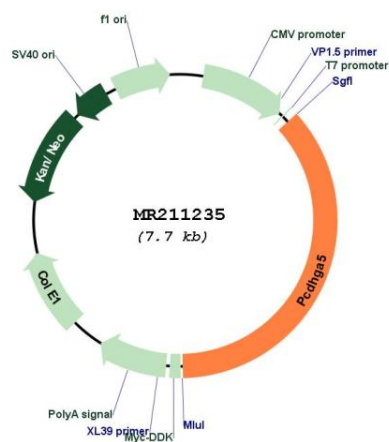
* The last codon before the Stop codon of the ORF

ACCN:

NM 033588

ORF Size:	2796 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_033588.5
RefSeq Size:	4540 bp
RefSeq ORF:	2799 bp
Locus ID:	93713
Cytogenetics:	18 B3
MW:	101.4 kDa

Product images:



Circular map for MR211235