

Product datasheet for **MR211248**

Pcdhga7 (NM_033590) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcdhga7 (NM_033590) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pcdhga7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR211248 representing NM_033590
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGCGCCTGGACAGAGAGGCTGGGGCTCGCACTACAGAGGATTTGTGCTGCTCTCCATTCTCCTGGGA
TGCGGTGGGAAGCCTGGGCAGGACAGATTCTCTACTCCGTGTCTGAAGAGACAGACAAGGGATCTTTGT
GGGAAATATACCAAGGATCTGGGACTGCAACCTCGGGAGCTGGCGGAGCGCGGGGTCCGCATCATCACC
AAAGGTAAGACCCAGCTTTTCTCTCTGAACCCGCGGAGCGGCAGCCTGGTCACCGCGGCAGGATAGATC
GGGAGGAGCTGTGCGCTCAGAGCCCGGATGTCTCGTGAGCTTTAACATCTTGATAGAAGACAAGATGAA
TCTTTACCCTATAGAGGTGAAATAATGGATGTTAATGACAACGCTCCAGATTCTTAACAGAAGAAATA
AACATAAAATTATGGAGAATGCAGCTCCTGGGTGCGGTTTCCACTAAAGGAAGCTACAGATTCAGACG
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CATCTGGTCTCAGACCTATGATGGCGGGGACCGCTCCGATCTGGCACTGCCAGCATCCGCGTGACAG
TGGTGGATGTGAATGATCACACGCCAGTCTTCTCTACCCCTGTATCAAGCGACAGTCCCTGAGAACGT
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CAGAACCTGGATACCTAGTGACCAAGGTGGTAGCTGTGGACAAAGACTCAGGCCCAAATGCTTGGCTGTC
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GCAAGAGCCCTGCTGGACAGAGATGCGCTGAAACAGAACCTTGTGGTGGTTGTACAGGACCATGGCCAAC
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CGGTGTCCAGGCTTCTTACAAACATATCCCATGAGGTTTCACTCACTGCAGACTCTCGAAAAAGCCAC
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AGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR211248 representing NM_033590
Red=Cloning site Green=Tags(s)

MAPGQRGWGSHYRGFVLLSILLGMRWEAWAGQILYSVSEETDKGSFVGNITKDLGLQPRELAERGVRIT
KGGTQLFSLNPRSGSLVTAGRIDREELCAQSPRCLVSFNILIEDKMNLPIEVEIMDVNDNAPRFLTEEI
NIKIMENAAPGVRFPLEATSDVGKNSLQRYQLSPNHHSFLLVQSGDDGTYPELVLEKALDREEEGLH
HLVLTA YDGGDPLRSGTASIRTVVDVNDHTPVFSLPL YQATVPENVPVGT RLLTVNAIDLDEGIYGEVT
YSFWKITPELLQIFHLSSLTGELSTLKGLDYEQSSFYELEVQAQDGAGSLTKAKVLITVLVDVNDNAPEVT
VTSVSSVPEDTPPGTVIALFYLDQDKDSGKNGEVTCSLPENLPFKLERSIDNYRRLVTARNLDREKMSVY
NITLKATDGGIPPLSTETRMSIHVSDTNDNPPTFSDDSSYSIYVPENNPRGASIFSVTAQDPDSDKNAQVT
YALAE DTIQGVPVSSYVSINSDTGILYALGSFDYEQFRDLQLRV TARDSGDPPLSSNVSLKLFVLDKNDN
APEILYPALPTDGSTGVELAPRSAEPGYLVTKVVAVDKDSGPNAWLSYRLLKASEPGLFSVGLHTGEVRT
ARALLDRDALKQNLVVVVQDHGQPLSATVTLTVAVANSIPDVLADLGSIRTPSEPDDSDITLYLVAVA
TVSCVFLVFVTVLLALRLWRWHKSHMLQASSGGGLEDVPASHFVGLDGVQAF LQTYSHEVSLTADSRKSH
IIFPQNYVDTLISQDSCEKSDSLTSIDFQECKGEAPSSQQAPPNTDWRFSQAQRPGTSGSQNGDETGT
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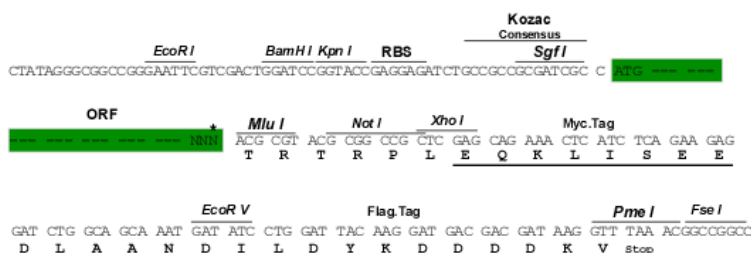
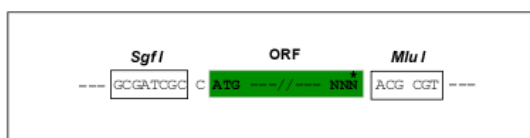
TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9091_c08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:

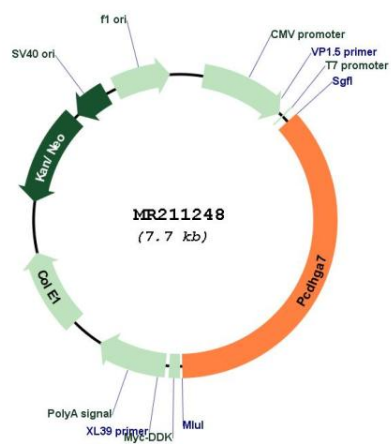


* The last codon before the Stop codon of the ORF

ACCN: NM_033590

ORF Size:	2805 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_033590.3 , NP_291068.2
RefSeq Size:	4660 bp
RefSeq ORF:	2808 bp
Locus ID:	93715
Cytogenetics:	18 B3
MW:	101.6 kDa

Product images:



Circular map for MR211248