

Product datasheet for **MC222700**

Pcdhga4 (NM_033587) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcdhga4 (NM_033587) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pcdhga4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC222700 representing NM_033587
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCTCCTTACAAATCAGACCGCAGGGGACTAATCTGGATCTGCATTTTCCTTGGATCCCTATGCC
 ACATCCGCGCGGAACAGATCCGGTACTCTGTGCCGGAGGAGCTGGAAAGGGGCTCTGTGGTGGTAACTCT
 CGCCGCGGACCTGGGGCTGGAGCCTGAAAACTGGCAGAACCGGAGTCCGCATCGTCTCCAGAGGTAAG
 ACCCAGCTCTTTGCTCTGAACCCGGAAGCGGCAGTTTGGTGACAGCAGGGAGGGTCGACAGAGAAGGGC
 TCTGTGACAGATCCCAAAGTGTACCGCAAATCTGGAGATTCTCCTAGAGGATAAAGTGAGGATTCTAGC
 CATAGAAGTGAGATTATCGATGTTAATGATAATGCCCCAGCTTTGGAGCACAGCAGAGAGAAAATAAAA
 GTCGCTGAAAGTGAAAATCCTGGACAAGATTTCTCTTCTGAAGCCTTTGATCTGGACATAGGGGTGA
 ACGCCTTGCAAGGTTACCAGCTCAGCTCCAATGATCACTTCTCCCTGGATGTCAAAGTGGACCGGATGG
 GATTAAGTATCCAGAGCTAGTGTGAAAAATGCCTTAGACCGCGAGGAAGAAGCCGTTTCACCTGGTT
 CTACCCGCTTCGACGGAGGCGACCCGGTTCGCTCTGGTACTGCCACAATTCAAGTAACACTCGTGGACA
 CCAACGACAATGCTCCTGTATTCACTCAGCCAGAGTACCACATTAGTGTGAAAGAGAATTTGCCTGTAGG
 CACCCGGCTGCTTACCATAAAAGCCACTGACCCGGATGAAGGAGTCAACGGAGAAGTGACGTATTCTTTC
 CGGAACGTAAGAGAGAAAATCTCCAGCTCTTCCAGCTGAATTCTCTGACTGGGGACATTACAGTGTGG
 GGGAACTGGATTATGAAGACTCTGGATTCTACGATGTTGACGTAGAAGCCATGATGGCCCTGGTCTTCC
 AGCCAGAAGTAAGGACTGGTGACAGTTCTGGATGTAATGACAATGCCCGGAAGTACAGTCACTCT
 CTCACAGCTCTATCCAGGAAGCTTCTCCAGCAGCAGTATTGCACCTTCAACGTGCACGACGCG
 ACTCTGGAGAGAACGGCCTTGCACTTGTCTATTCCAGATAATCTTCATTCAAGTGGAAAAGACCTA
 TGAAAATTATCATCGGTTGTTGATACACAGGACTCTGGACAGGAAGAAGTCTCTGACTATAACATTACA
 ATAACGCAACCGACAGGAACTCCACCTCTGTCTACAGAGACTTATATCTCATTGCAGGTGGTAGATA
 TTAATGACAACCCGCGACCTTACCCATGCCTCCTATTCTGCTTACATTCCAGAAAACAACCTAGAGG
 AGCTTCCATCTTATCCATAACAGCCAGGACCCAGACAGTGGTGAGAATGCCAGGTTATCTATTCTCTG
 TCAGAGGACACTATCCAGGGGCACCTATGTCCTCCTACGTCTCCATAAACTCCAATACCGGTGTCCTTT
 ATGCACTGCGTTCCTTTGATTATGAGCAGTTTCAAGACTTGAAGTACTGGTGACAGCCAGGACAGTGG
 GACTCCTCCACTCAGCAGCAACGTGTCCTGAGCTTGTCTGTGCTGGACCAGAACGATAACACCCCTGAG
 ATCCTGTATCCCACCATCCCCTGATGGTTCTACTGGTGTGGAGCTGACACCTCGTTCTGCAGATCCTG
 GATACCTGGTGACCAAGTGGTGGCCGTAGACAAAGACTCAGGACAGAACGCCTGGCTGTCTACCGCT
 GCTCAAGGCCAGCGAGCCAGGGCTCTTCTCAGTGGGGCTGCACACAGGTGAGGTACGCACTGCTCGGGCC
 CTGCTGGACAGAGATGCTCTCAAGCAGAGCCTGGTGGTGACCGTGCAGGACCATGGCCAGCCCCCTCT
 CCGCCACTGTCACACTACCATAGCTGTGTGACACAACATTCCAGACATCCTGGCTGATCTGGTCAACAT
 TAACGCCCCCATTGACCAGGAGGATTGACAGATCACATTGTACCTGGTGGTAGCTGTGGCTGCGGTCTCT
 TGTGTCTTCTTAGCCTTTGTCATTGTGTGCTGATACACAGGCTCCGTCGCTGGCACTCACTCGCCTGC
 TTCAGGCTGCAGGTAATGGGTTGTCATCCTTGCCTGCCTCACATTTTGTGGGTGGATGGTGTACACGC
 TTTCTACAGACCTATTCTCATGAGTCTCACTCACAGCAGACTCTGGGAAGAGTCACTGATCTTCCCA
 CAGCCCAACTACGCAGACACACTCATCAGCCAGGAGAGCTGTGGGAAGAGTGATCCTCTCCTGGTATCTC
 AAGACTTGCTTGAATAAAAGGAGACTCCAGTCTGCAGCAAGCCCGCCCAACACTGACTGGCGTTTCTC
 TCAAGCCAGAGACCCGGCACGAGCGGATCCAAAATGGTGTGAAACTGGCACCTGGCCCAACAACCGAG
 TTTGATACAGAGATGCTGCAAGCCATGATCTTGGCCTCTGCCAGCGAAGCTGCTGATGGGAGCTCTACCC
 TGGGAGGGGGCGCTGGCACCATGGGTCTGAGCGCTCGATACGGACCCAGTTTACCCTGCAGCACGTGCC
 TGACTACCGCCAGAACGTGTACATCCCTGGCAGCAATGCCAGCTGACCAATGCCCTGGCAAACGAGAT
 GGCAAGGCTCCAGCAGGTGTAATGGCAACAAGAAGAAAATCGGGCAAGAAAGAGAAGAAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN:	NM_033587
Insert Size:	2793 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	NM_033587.3 , NP_291065.3
RefSeq Size:	4534 bp
RefSeq ORF:	2793 bp
Locus ID:	93712
UniProt ID:	Q91XY4
Cytogenetics:	18 B3
Gene Summary:	Potential calcium-dependent cell-adhesion protein. May be involved in the establishment and maintenance of specific neuronal connections in the brain (By similarity).[UniProtKB/Swiss-Prot Function]