

Product datasheet for **MC222730**

Pcdha7 (NM_009957) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Pcdha7
Synonyms:	Cnr4; Crnr4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF: >MC222730 representing NM_009957
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGTAAACCTGAGAGGATACAACCTGGAAGAGCCAACAATTACTCCTGTTCTGATAATTGTGGCAGCCT
 GGGAGGCAGGGAGCGGCCAGCTCCACTACTCCGTCAGAGGAAGCCAAACACGGCACCTTCGTGGGCCG
 CATCGCGCAGGACCTGGGGCTGGAGCTGACGGAGCTGGTCCCCCGCTGTTTCAGGGTGGCGTCCAAGGAC
 CGCGGGGACCTTCTGGAGGTAATCTTCAGAAATGGCATTGTTGTTGTAATCTCGCATCGACCGGGAGG
 AACTGTGCGGGCGGAGCGGGAGTGTAGCATCCACCTGGAGGTGATCGTGGACAGGCCGCTGCAGGTTTT
 CCACGTGGAGGTGGAGGTGAAGGACATTAATGACAACCTCCCATGTTTCCAGCGACACAAAAGGCTCTG
 TTTATCCTGGAGTCCAGACTGCTTACTCGCGGTTTCCACTAGAGGGCGCGTCAGATGCAGATGTCGGTT
 CCAATGCTCTGCTGACTTACAGACTGAGCACAATGAACATTTCTCTGGATGTACCGCCCAACACGA
 GCAGGTGAAACCTCTGGGCTGGTTTTGCGGAAACCTTAGACAGAGAAGAAGTGCAGAGATTCGCTTA
 TTGCTCAGGCCACCGAGGAGGCAACCGGAGCTGACAGGCACCGTTCAATTACTCATCACCGTCTGG
 ATGTCAATGACAATGCTCCAGTTTTGACAGATCTCTGTATACTGTGAAATTGCCAGAAAACGTTCCAAA
 TGGAACATTGGTAATCAAAGTCAATGCCTCAGATTTGGACGAAGCGTGAATGGGGACGTTATGTACTCA
 TTTTCTAGTGATGTTTCTTCAGATATAAATCCAAGTTCACATGGACACTGTGAGTGGAGAGATTACAG
 TTATAGGAATTATTGATTTCGAAGAGAGTAAAGCTTACAAGATTCCATTGGAGGCACGTGATAAAGGTT
 CCCACAACCTGCCTGGACACTGTACCATTTCTGTGAAGTTGTAGATGCTAATGACAACGCTCCACAGTTG
 ACGGTTAGTTCTTGTCTCTCCAGTATCCGAGGACAGTCAACCTGGAAGAGTCGTCACCTTAATTAGCG
 TATTTGACCGTGATTCGGTGCCAATGGGAGGTGACCTGCTCCCTGACTCCTCATATCCCTTCAAGCT
 GGTGTCCACATTCAAAAATTACTATTTCGCTCGTCTGGACAGTGTCTGAGCCGAGAGACCATCGCTAAC
 TATGATGTGATTGTGACCGCTCGCGATGGCGGTTTCGCCCTCCCTGTGGGCCACGGCCAGCGTGTCCGTGG
 AGGTGGCTGATGTGAACGACAATGCTCCACTGTTGCGCAGCTGAATACACGGTGTTCTGTGAAGGAGAA
 CAACCCGCTGGTGCGCACATCTTTACAGTGTGAGGATGGATGCTGATGCGCAGGAGAATGCGCTGGTG
 TCCTACTCGCTGGTGGAACGGAGGGTGGGCGAGCGCTTGTCTCGAGCTATGTGTCTGTGACGCGGAGA
 GCGGCAAGGTGTTGCTCTGACGCTCTGGACCATGAGGAGCTGGAACGCTGTCAGTTCCAGGTGAGCGC
 GCGGGATGCTGGTGTGCTGCCCTGGGAGCAATGTGACTCTGCAGGTGTTTGTACTGGACGAGAACGAC
 AATGCACCTACCTGCTGGGCTTTGGCTAACGGGTTGGTGGCACAATGAATGAGGTAGTATCAAGAG
 CTTTGGTGCTGGTCAGGTTGTGGCGAAAGTCCGGGCCGTAGATGAGGACTCTGGATACAATGCGTGTT
 GTCTTTTGTGCTGAGCAGGTTGCGGGTGGAGTTCGTAGTCCCTTCCGTGTAGGCTGTACACAGGAGAA
 ATCAGCAGGACAGTGTCTGGAGGAGACAGATGCCTTGGGCGAGTGTGTTAGTGTGGTGAAGATC
 ACGGAGAACCTTCTGACCGCCACAGCCACGGTGTGCTTTCTGTTAGACAGCGGCCAAACACAGAA
 GGTCTCATCTAAGGTGTGAGTGGAGCTCCAGAGTGGATCAGAGGCTGGTGGATGTCAACGTGTACCTG
 ATCATCGCCATCTGCGCGGTGTCCAGCCTGTTGGTGTCTGCTGACTGCTGTACACAGCGCTGCGCTGTT
 CGGCGACGCCACCGATGGAGCCTGTGCTCCAGGAAGCCCATGCTGGTGTGCTCCAGCGCGGTGGGAG
 CTGGTCATACTCGCAGCAGAGGCGACAGAGTGTGCTCTGGAGAAGGCCACCCAAGACCGACCTCATG
 GCCTTCAGCCCCAGCCTACCTCAGGGTCCAGCTCTACAGATAACCCCCGAGCCCAACCTGACTGGC
 GCTACTCTGCTCGCTAAGAGCAGGCATGCACAGCTCTGTGCACCTGGAGGAGGCTGGCATTCTACGGGC
 TGGTCCAGGAGGGCCTGATCAGCAGTGGCCAACAGTATCCAGTGCAACACCAGAACCTGAGGACGAGAG
 GTGTCCCTCCGGTGGGCGCCGGTGTCAACAGCAACAGCTGGACCTTTAAATACGGACCAGGCAACCCCA
 AACAGTCCGGTCCCGGTGAGTTGCCAGACAAATTCATTATCCAGGATCTCCTGCAATCATCTCCATCCG
 GCAGGAGCCTGCTAACAACCAATTGACAAAAGCGATTTTATAACCTTCGGCAAAAAGGAGGAGACCAAG
 AAAAAAGAAAAAGAAGAAGGTAACAAGACCCAGGAGAAAAAGAGAAAGGAACAGCACGACGAGACA
 ACAGTGACCAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_009957

Insert Size: 2814 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:	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:	<u>NM_009957.1, NP_034087.1</u>
RefSeq Size:	5215 bp
RefSeq ORF:	2814 bp
Locus ID:	12939
UniProt ID:	<u>Q91Y13</u>
Cytogenetics:	18 B2- B3
Gene Summary:	Calcium-dependent cell-adhesion protein involved in cells self-recognition and non-self discrimination (PubMed:27161523). Thereby, it is involved in the establishment and maintenance of specific neuronal connections in the brain (PubMed:27161523). [UniProtKB/Swiss-Prot Function]