

Product datasheet for **MC222176**

Pde6c (NM_033614) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde6c (NM_033614) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pde6c
Synonyms:	cpfl1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222176 representing NM_033614
 Red=Cloning site Blue=ORF Orange=Stop codon

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
 GCCC

ATGGGTGAGATCAGCCAAGAGGCCGTGGAGCGCTACCTGGAGAAGAACCCTTGTTTTGCCAAAGAGTATT
 TTGACAAGAACTACGGGTGGAGGCACTGGGGGTGATCTTCAAAAACAGCCATGCAGGGTCCAGACCGG
 CTTGTGCTCCCTGAGATGACACAGGTGGAGGAGTCGGCCGTGTCCCTGGAGCTACTGCAGTGTATGCAG
 GACGAGGCCGGAAGCGCGGAGCAGATGGCTCACCGGGCACTGCAGAGGCTCGCTCAAATTCTGCAGGCTG
 ATTGCTGCAGTATGTTCTCGTGCAGAGCAAGAAACGGCATACCAGAGGTGGCCTCCAGGCTGCTGAACGT
 CACCCCAACTTCTAAGTTTGAGGACAACCTCGTGGCCCTGACAGAGAAGTTGTATTTCCGTTGGACATT
 GGGATAGTTGGTGGTGCCTCATGTGAAGAAAGCCCTAATGTCTCAGATGTCAAAAAGAACAGCCATT
 TTTCTGACTTTATGGACAAGCAAACCTGGATATGTCACCAGGAATCTGCTAGCAGTCCCGATCGTGGCAGG
 CAAGGAGTCCCTGCTGTGGTCAATGGCAGTGAACAAAATCAGCGCTCCCGAGTTTCCAACAGGATGAG
 GAGTCTTTTCTAAGTACCTCAGCTTTGTTGCTGTGCGACTAAGGCTGCAGCACACCAGTTACCTGTACA
 GTGTGGAGTCCCGGAGAAGCCAGATCCTTATGTGGTCAGCCAATAAAGTATTGCAAGAGCTCACTGATGT
 TGAGCGACAGTTTACAAGGCACTGTACACCATCAGGACGTACCTGAACTGCGATCGCTACTCCATTGGT
 CTTCTGGACATGACCAAGGAGAAGGAATTTACGATGAGTGGCCAATCAAGCTTGAGAGAAGTTGAGCCTT
 AATAAGGACCAAAGACTCCAGATGGCAGGGAAATCATCTTCTATAAAAATCATCGATTACATTTTACATGG
 AAAAGAAGAGATCAACGTGATCCGTCACTCCAGCAGACCACTGGACGCTTGTAGTGGATTGCCAACA
 TACGTTGCAGAAAATGGATTTACTGTAACATGCTGAATGCCCTGCAGATGAGTACTTACATTTTACAGA
 AAGACCCGAGATGAGACTGGTGCATTAATAAATGCTTTGCTCCCTGCCTATTGTCACAAGAAGA
 AGACATCGTGGGTGAGCTACGTTTTACAACCGGAAGGATGGGAACCCCTTTGATGAGCATGATGAACAT
 ATCACTGAGACTTTAACCAGTTTCTTGGATGGTCTCTTTTAAACACCGATACCTATGAGCGAGTGAACA
 AGCTGGAAGCAGAAAGGACATTGCTCAGGAAATGGTTATGAACCTCACAAAAGCCACCCGGATGAAAT
 CAGCTCTATTCTGAAGTTTAAAGAGAAGTTAAATGTAGAGGTAATTGAAGAGTGTGAAGAGACAGCTC
 CTGGCCATATTGAAGGAGGACTTGCCGGACCCGAGAACAGCAGACCTGTACGAGTTCTGTTTCAGCGACT
 TCCCCATTACGGAGCAGAGTTGGTTAAATGCGGGCTGAGGCTGTTTTGGAGATAAACGTGGTGGAGAA
 ATTCAAAGTCCCTGTAGAGTTCTTACAAGGTGGATGTACACAGTCCGGAAGGGTACCGTCTGTCCACC
 TACCACAACCTGGCGGCACGGATTCAACGTGGGGCAGACCATGTTCACTTTGTTAATGACAGGAAGACTAA
 AGAAATACTATACAGACCTTGAAGCCTTGCCATGCTCGCTGCTTTCTGCCATGACATTGACCACAG
 AGGCACCAATAACTTGTACCAAATGAAGTCCACATCTCCACTTGAAGGCTTCATGGGACTTCCATTTTA
 GAGCGACATCACCTGGAATATAGCAAGACTCTCTTGCAGGATGAGAGTTTAAACATCTTCCAGAATCTAA
 ACAAGCGGCAGTTTGAACGGTATCCATTTGTTCCAGGTTGCAATAATAGCAACTGACCTGGCACTCTA
 TTTCAAGAAGAGAACCATGTTTCAAAGATCGTTGATACCTGCGAGCAGATGCAAAGTGAAGAAGAAACC
 ATCAAATACGTAACCTCCGACCCGACCAAAAAGGAAGTCATCATGGCCATGATGATGACTGCCTGTGACC
 TGCTGCCATCACCAAGCCCTGGGAGGTGCAGAGTCAGGTAGCACTTCTGGTTGCAAAATGAATTTGGGA
 ACAAGGAGATCTGAAAGAACAGTGTGCAGCAGCAACCAATTCCTATGATGGACAGAAGCAAAAAGGAT
 GAACTCCGAAAACCTCAAGTGGGATTTATTGATTTTGTGTTGACTTTTCGTATATAAGGAGTTCTCTCGGT
 TTCATGGAGAGATCACACCCATGCTGAACGGCCTTCAAGAATAACAGGGTGAATGAAATCCCTGGCGGA
 GGAGTACGAGGCGAAGGTGAAGGTGACTGAAGAAGAGGCGGAAAGCAGGAAGAAGAAGCCTCAGATGGA
 AAAGCTGCCACAGATTTAGGAGGCGCGCCGAAGCAAAAAGTCCAAAACATGCTTAATGTTATAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: AscI-MluI
ACCN: NM_033614
Insert Size: 2586 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_033614.2 , NP_291092.1
RefSeq Size:	2967 bp
RefSeq ORF:	2586 bp
Locus ID:	110855
UniProt ID:	Q91ZQ1
Cytogenetics:	19 C2
Gene Summary:	<p>As cone-specific cGMP phosphodiesterase, it plays an essential role in light detection and cone phototransduction by rapidly decreasing intracellular levels of cGMP.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>