

## Product datasheet for **MC220883**

### **Pde6c (NM\_001170959) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pde6c (NM_001170959) 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:

>MC220883 representing NM\_001170959

Red=Cloning site Blue=ORF Orange=Stop codon

CTATAGGGCGGCCGGGAATTTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC  
GCC

ATGGGTGAGATCAGCCAAGAGGCCGTGGAGCGCTACCTGGAGAAGAACCCTTGTTTTGCCAAAGAGTATT  
TTGACAAGAACTACGGGTGGAGGCACTGGGGGTGATCTTCAAAAACAGCCATGCAGGGTCCAGACCGG  
CTTGTCGCTCCCTGAGATGACACAGGTGGAGGAGTCCGGCGTGTCCCTGGAGCTACTGCAGTGATGCAG  
GACGAGGCCGGAAGCGCGGAGCAGATGGCTCACCAGGCACTGCAGAGGCTCGCTCAACTTCTGCAGGCTG  
ATTGCTGCAGTATGTTCTCGTGCAGAGCAAGAAACGGCATACCAGAGGTGGCCTCCAGGCTGCTGAACGT  
CACCCCAACTTCTAAGTTTGAGGACAACCTCGTGGCCCTGACAGAGAAGTTGTATTTCCGTTGGACATT  
GGGATAGTTGGTGGTGCCTCATGTGAAGAAAGCCCTTAATGTCTCAGATGTCAAAAAGAACAGCCATT  
TTTCTGACTTTATGGACAAGCAAACTGGATATGTACCAGGAATCTGCTAGCAGTCCCGATCGTGGCAGG  
CAAGGAGGTCCTTGCTGTGGTCAATGGCAGTGAACAAAATCAGCGCTCCGAGTTTTCCAAACAGGATGAG  
GAGGTCTTTTCTAAGTACCTCAGCTTTGTTGCTGTGCGACTAAGGCTGCAGCACACCAGTTACCTGTACA  
GTGTGGAGTCCCGGAGAAGCCAGATCCTTATGTGGTCAAGCAATAAAGTATTGGAAGAGCTCACTGATGT  
TGAGCGACAGTTTCACAAGGCACTGTACACCATCAGGACGTACCTGAAGTGCATCGCTACTCCATTGGT  
CTTCTGGACATGACCAAGGAGAAGGAATTTACGATGAGTGGCCAATCAAGCTTGGAAGTTGAGCCTT  
ATAAAGGACCAAGAGCTCCAGATGGCAGGGAATCATCTTCTATAAAATCATCGATTACATTTTACATGG  
AAAAGAAGAGATCAACGTGATTCGTCACCTCCAGCAGACCACTGGACGCTTGTTAGTGGATTGCCAACA  
TACGTTGCAGAAAATGGATTTATCTGTAAATGCTGAATGCCCTGCAGATGAGTACTTCACATTTTCA  
AAGGACCGGTAGATGAGACTGGTGGTCAATAAAAATGTCTTGTCCCTGCCTATTGTCAACAAGAAAGA  
AGACATCGTGGGTGAGTACGTTTACAACCGGAAGGATGGGAACCCCTTTGATGAGCATGATGAACAT  
ATCACTGAGACTTTAACCAGTTTCTTGGATGGTCTCTTTTAAACACCGATACCTATGAGCGAGTGAACA  
AGCTGGAAGCAGAAAGGACATTGCTCAGGAAATGGTTATGAACCTCACAAAAGCCACCCCGGATGAAAT  
CAGCTCTATTCTGAAGTTTAAAGAGAAGTTAAATGTAGAGGTAATTGAAGAGTGTGAAGAGAGACAGCTC  
CTGGCCATATTGAAGGAGGACTTGCCGGACCCGAGAACAGCAGACCTGTACGAGTTCTGTTTCAGCGACT  
TCCCCATTACGGAGCACGAGTTGGTTAAATGCGGGCTGAGGCTGTTTTTGGAGATAAACGTGGTGGAGAA  
ATTCAAAGTCCCTGTAGAGGTTCTTACAAGGTGGATGTACACAGTCCGGAAGGGTACCGTCTGTCAAC  
TACCACAACCTGGCGGCACGATTCAACGTGGGCGAGACCATGTTCACTTTGTTAATGACAGGAAGACTAA  
AGAAATACTATACAGACCTTGAAGCCTTTGCCATGCTCGCTGCTGCTTTCTGCCATGACATTGACCACAG  
AGGCACCAATAACTTGTACCAATGAAGTCCACATCTCCACTTGAAGGCTTCATGGGACTTCCATTTTA  
GAGCGACATCACCTGGAATATAGCAAGACTCTCTTGCAGGATGAGAGTTTAAACATCTTCCAGAATCTAA  
ACAAGCGGCAGTTTGAACGGTGATCCATTTGTTGAGGTTGCAATAATAGCAACTGACCTGGCACTCTA  
TTTCAAGAAGAGAACCATGTTTCAAAAGATCGTTGATACCTGCGAGCAGATGCAAGTGAAGAAGAAACC  
ATCAAATACGTAACTCCGACCCGACCAAAAAGGAAGTCATCATGGCCATGATGATGACTGCCTGTGACC  
TGCTGTCATCACCAAGCCCTGGGAGGTGCAGAGTCAGCCTATGATGGACAGAAGCAAAAAGGATGAAC  
CCCGAACTTCAAGTGGGATTTATTGATTTTGTGTTGACTTTCGATATAAGGAGTTCTCTCGGTTTCAT  
GGAGAGATCACACCCATGCTGAACGGCCTTCAGAATAACAGGGTGAATGGAAATCCCTGGCGGAGGAGT  
ACGAGGCGAAGGTGAAGGTGACTGAAGAAGAGCGGGAAGCAGGAAGAAGAAGCCTCAGATGGAAGAAG  
TGCCACAGATTTAGGAGGCAGCGCCGAAGACAAAAGTCCAAAACATGCTTAATGTTATAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Ascl-MluI

ACCN:

NM\_001170959

Insert Size:

2511 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001170959.1</a></u> , <u><a href="#">NP_001164430.1</a></u>
<b>RefSeq Size:</b>	2892 bp
<b>RefSeq ORF:</b>	2511 bp
<b>Locus ID:</b>	110855
<b>UniProt ID:</b>	<u><a href="#">Q91ZQ1</a></u>
<b>Cytogenetics:</b>	19 C2
<b>Gene Summary:</b>	<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 (2) lacks an in-frame exon in the coding region, compared to variant 1. This variant encodes isoform 2, which is shorter than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>