

Product datasheet for **SC303749**

PDE6C (NM_006204) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PDE6C (NM_006204) Human Untagged Clone
Tag:	Tag Free
Symbol:	PDE6C
Synonyms:	ACHM5; COD4; PDEA2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_006204, the custom clone sequence may differ by one or more nucleotides

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ATGGGTGAGATCAACCAAGTTGCCGTGGAGAAATACCTGGAGGAGAACCCTCAGTTTGCCAAGGAGTACT
TTGACAGGAAGTTGCGGGTGGAGGTGCTGGGAGAAATCTTCAAGAACAGCCAGGTGCCAGTCCAGTCCAG
CATGTCTTCTCTGAGCTGACCCAGGTGGAGGAGTCAGCCCTGTGCTTGGAGCTGCTGTGGACCGTGCAG
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ACCGCTGCAGCATGTTCTGTGCCGTCCCGAACGGCATACTGAGGTGGCCTCTAGGTTGCTGGATGT
CACCCCCACCTCCAAGTTTGAGGACAACCTGGTGGGCCCTGACAAAGAAGTTGTGTTTCCATTGGACATT
GGGATAGTGGGTGGGCTGCTCACACGAAGAAAACCTATAATGTCCAGATGTGAAAAAGAACAGCCATT
TTTCTGACTTCATGGACAAGCAAACCTGGGTATGTCTAAGAACCTGCTGGCAACCCGATCGTGGTGGG
CAAGGAGGTTCTTGCTGTGATCATGGCAGTTAACAAAGTAAATGCATCTGAATTTTCAAACAGGATGAA
GAGGTCTTTTCAAATACCTCAACTTTGTGTCTATCATCTAAGGCTTCATCACACCAGTACATGTACA
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TGAGCGACAGTTTCACAAAGCGCTCTACACGGTTAGATCATATCTGAACGTGTGAACGATACTCCATTGGA
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TCCCCCTTACAGAGCACGGATTGATTAATGTGAATACGACTGTTTTTTGAAATAAATGTGGTGGAGAA
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TACCACAATTGGCGCATGGGTTCAACGTGGGGCAGACCATGTTTACTTTGCTGATGACAGGAAGATTAA
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AGGCACCAATAATTTGTACCAGATGAAATCCACGTCTCCATTAGCAAGACTTCATGGTCTTCTATTTTG
GAGAGGCACACCTGGAGTACAGTAAGACTCTGTTGCAGGATGAGAGTTTAAACATCTTCCAGAACCTAA
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TTTCAAGAAGAGGACCATGTTTCAAAAAATTTGTTGATGCCTGTGAACAAATGCAACGGAAGAAGGCC
ATCAAATATGTAAGTGTGATCCAACCAAGAAAGAGATTATCATGGCAATGATGATGACGGCATGTGACT
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GAATTACCTAACTTCAAGTTGGATTTATTGATTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG
TTCACAAAGAAATCACACCTATGCTGAGTGGTCTTCAGAATAACAGAGTAGAATGGAAATCACTAGCTGA
TGAGTATGATGCAAAGATGAAGGTCATTGAAGAGGAGGCAAAAAAGCAAGAAGGAGGAGCCGAAAAAGCT
GCTGAAGATTGAGGAGGTGGTGTGACAAAAAGTCCAAACATGTTTAATGTTGTAA

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Restriction Sites: Please inquire

ACCN: NM_006204

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).

OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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.
RefSeq:	NM_006204.2 , NP_006195.2
RefSeq Size:	2969 bp
RefSeq ORF:	2577 bp
Locus ID:	5146
UniProt ID:	P51160
Cytogenetics:	10q23.33
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes the alpha-prime subunit of cone phosphodiesterase, which is composed of a homodimer of two alpha-prime subunits and 3 smaller proteins of 11, 13, and 15 kDa. Mutations in this gene are associated with cone dystrophy type 4 (COD4). [provided by RefSeq, Mar 2010]