

Product datasheet for **SC303750**

PDE6H (NM_006205) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PDE6H (NM_006205) Human Untagged Clone
Tag: Tag Free
Symbol: PDE6H
Synonyms: ACHM6; RCD3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >SC303750 representing NM_006205.
Blue=Insert sequence **Red**=Cloning site **Green**=Tag(s)

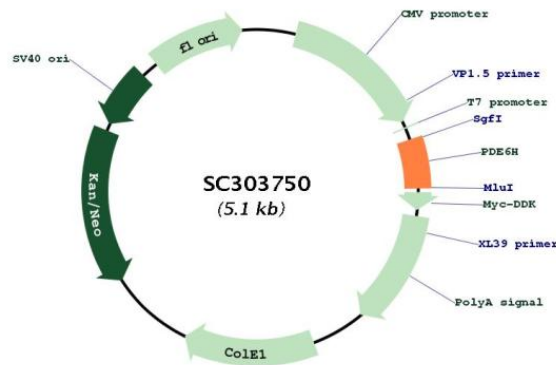
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGTGACAACACTACTCTGCCTGCTCCAGCTTCAAACCCAGGGTCTACCACCCACGCAAAGGCCCT
CCCAAGTTCAAGCAGAGGCAGACTCGCCAATTCAGAGTAAACCTCAAAGAAAGGTGTAAAGGATTT
GGAGATGACATTCAGGAATGGAGGGGCTAGGAACAGATATCACAGTGATTTGTCCATGGGAGGCATTC
AGCCACCTGGAATTGCATGAGCTCGCTCAGTTTGGGATTATCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_006205

Insert Size: 252 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_006205.2
RefSeq Size:	763 bp
RefSeq ORF:	252 bp
Locus ID:	5149
UniProt ID:	Q13956
Cytogenetics:	12p12.3
Protein Pathways:	Progesterone-mediated oocyte maturation, Purine metabolism
MW:	9.1 kDa
Gene Summary:	This gene encodes the inhibitory (or gamma) subunit of the cone-specific cGMP phosphodiesterase, which is a tetramer composed of two catalytic chains (alpha and beta), and two inhibitory chains (gamma). It is specifically expressed in the retina, and is involved in the transmission and amplification of the visual signal. Mutations in this gene are associated with retinal cone dystrophy type 3A (RCD3A). [provided by RefSeq, Mar 2010]