

Product datasheet for **RG210215**

PDE6H (NM_006205) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PDE6H (NM_006205) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: PDE6H
Synonyms: ACHM6; RCD3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG210215 representing NM_006205
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTGACAACACTACTCTGCCTGCTCCAGCTTCAAACCAGGGTCTACCACCCACGCAAAGGCCCTC
CCAAGTTCAAGCAGAGGCAGACTCGCCAATTCAAGAGTAAACCTCAAAGAAAGGTGTGAAAGGATTTGG
AGATGACATTCCAGGAATGGAGGGGCTAGGAACAGATATCACAGTGATTTGTCCATGGGAGGCATTACGC
CACCTGGAATTGCATGAGCTCGCTCAGTTGGGATTATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG210215 representing NM_006205
Red=Cloning site Green=Tags(s)
MSDNNTLPAPASNQGPTTPRKGPPKFKQRQTRQFKSKPPKKGVKGFDDIPGMEGLGTDITVICPWEAFS
HLELHELAAQFGII

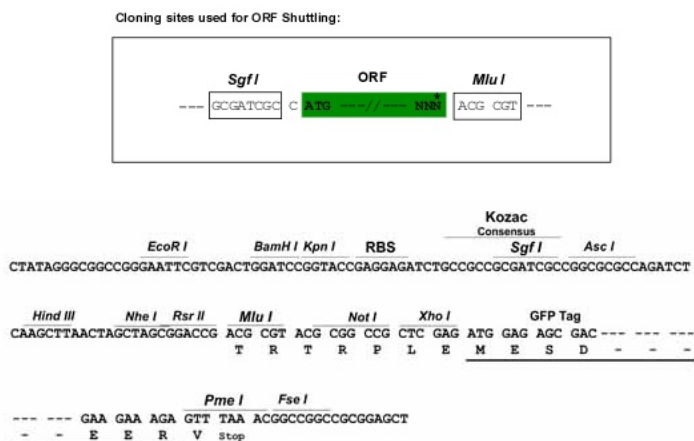
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:



ACCN: NM_006205

ORF Size: 249 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

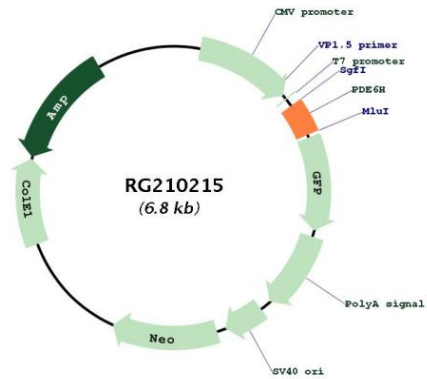
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_006205.3](#)

RefSeq Size: 726 bp

RefSeq ORF: 252 bp
 Locus ID: 5149
 UniProt ID: [Q13956](#)
 Cytogenetics: 12p12.3
 Protein Pathways: Progesterone-mediated oocyte maturation, Purine metabolism
 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]

Product images:



Circular map for RG210215