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Product datasheet for MG210896

Pde6c (BC027050) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde6c (BC027050) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pde6c
Synonyms:	cpfl1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>MG210896 representing BC027050
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGGCGCGCCC

ATGGGTGAGATCAGCCAAGAGGCCGTGGAGCGCTACCTGGAGAAGAACCCTTGTTTTGCCAAAGAGTATT
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TCCCCATTACGGAGCACGAGTTGGTTAAATGCGGGCTGAGGCTGTTTTTGGAGATAAACGTGGTGGAGAA
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TGCCACAGATTTAGGAGGCAGCGCCGAAGACAAAAAGTCCAAAACATGCTTAATGTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG210896 representing BC027050
Red=Cloning site Green=Tags(s)

MGEISQEAVERYLEKNPCFAKEYFDKKLRVEALGVIFKNSHAGVQTGLSLPEMTQVEESAVCLELLQCMQ
DEAGSAEQMAHRALQRLAQLLQADCCSMFSCRARNGIPEVASRLLNVTPTSKFEDNLVAPDREVVFPLDI
GIVGWVAHVKKALNVSDVKKNSHFSDFMDKQTGYVTRNLLAVPIVAGKEVLAVVMAVNKISAPEFSKQDE
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LLDMTKEKEFYDEWPIKLGEVEPYKGPKTPDGREIIFYKIIDYILHGKEEINVIPSPPADHWTLVSGLPT
YVAENGFICNMLNAPADEYFTFQKGPVDETGWVIKNVLSLPIVNKKEDIVGVATFYNRKDGKPFDEHDEH
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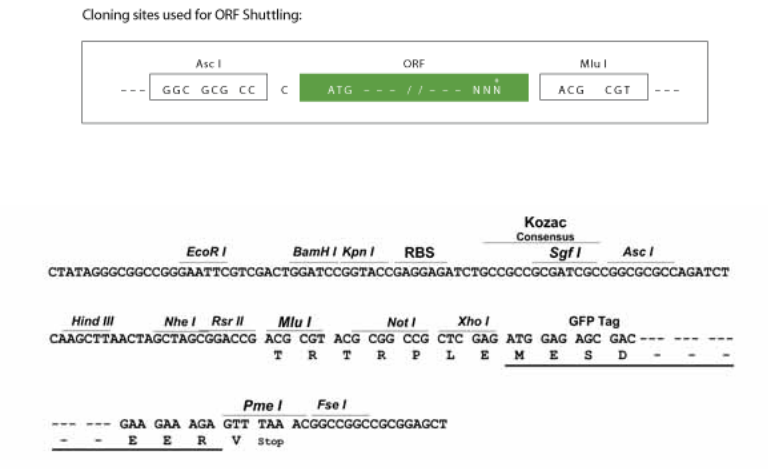
LAILKEDLPDPRTADLYEFCFSDFPITEHELVKCGLRLFLEINVVEKFKVPVEVLTRWMYTVRKGYRPVT
YHNWRHGFNVGQTMFTLLMTGRLKKYYTDLEAFAMLAAAFCHDIDHRGTNNLYQMKSTSPLARLHGTSIL
ERHHLEYSKTLLQDESLNIFQNLNKRQFETVIHLFEVAIIATDLALYFKKRTMFQKIVDTCEQMQSEEET
IKYVTSDPTKKEVIMAMMMTACDLSAITKPWEVQSQPMMDRSKKDELPKLQVGFIDFVCTFVYKEFSRFH
GEITPMLNGLQNNRVEWKSLAEEYEAKVKVTEEEAGKQEEEASDGKAATDLGGSAEDKKSKTCLML

TRTRPLE – GFP Tag – V

Restriction Sites: AscI-MluI

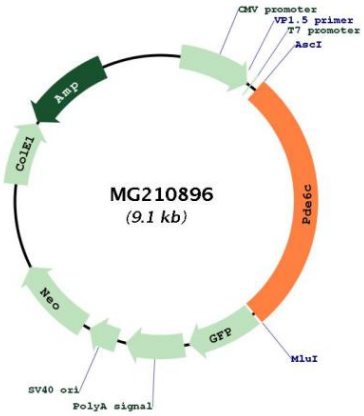
Cloning Scheme:



ACCN:	BC027050
ORF Size:	2508 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC027050, AAH27050
RefSeq Size:	2901 bp
RefSeq ORF:	2510 bp
Locus ID:	110855
Cytogenetics:	19 C2
Gene Summary:	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]

Product images:



Circular map for MG210896