

## Product datasheet for **MG203501**

### **Pik3ip1 (NM\_178149) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pik3ip1 (NM_178149) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pik3ip1
Synonyms:	1500004A08Rik; 5830455E04Rik; Crkd; Hgfl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203501 representing NM_178149 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGTTGGCTTGGGTACACACATTTCTTCTCAGCAACATGCTTCTGGCAGAAGCCTATGGATCTGGAG  
GCTGCTTCTGGGACAACGGCCACCTGTACCGGGAGGACCAGCCCTCGCCCGCGCCGGTCTCCGCTGCCT  
CAACTGGTTGGCCGCGCAAGGCAGCCGCGAGTCGCTCACCAGCCAGCCCGGGCAACCACAACACTACTGC  
CGAACC CGGACCAGGACCCGCGGGCCCTGGTGTACATCAGCAGCGAGACCGGCGTCCCTGAAAAGC  
GGCCCTGCGAGGACGTGAGTTGCCAGAGACCCTTCCAAGCACCACCGCCATCCTCTGCCATGGAGCT  
GGAAGAGAAGTCTGGTGCACCAGGTGACAAAGAGGCACAGGTGTTCCCTCCTGCTAACGCCCTACCAGCC  
AGGAGTGAGGCAGCCGAGGTGCAGCCAGTGATCGGGATCAGTCAGCTTGTGAGGATGAACTCCAAGGAAA  
AAAAAGACCTAGGAACTCTGGGCTACGTGCTGGGCATTACTATGATGGTATCATCCTCGTATTGGAGC  
TGGCATTATCGTGGGCTACACTTACAAGAGGGGGAAGGACTTGAAAGAGCAACATGAGAAGAAAGCGTGT  
GAGAGGGAGATGCAGCGAATCACCTTGCCCTGTCTGCTTTCACAAACCCACCTGTGAGACCGTGGATG  
AAAACACCATCATTGTGCACAGCAACCAGACTCCTGCTGACGTGCAGGAGGGCAGCACCCCTCACGGG  
CCAGGCTGGCACCCCTGGGGCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG203501 representing NM\_178149  
 Red=Cloning site Green=Tags(s)

MLLAWVHTFLLSNMLLAEAYGSGGCFWDNGHLYREDQPSAPGLRCLNWLAAQGSRESLTPSPGNHNYC  
 RNPDQDPRGPWCYISSETGVPEKRPCEDVSCPETTSQAPPPSSAMELEEKSGAPGDKEAQVFPPANALPA  
 RSEAAEVQPVIGISQLVRMNSKEKKDLGTLGYVLGITMMVILAIAGAGIIVGYTYKRGKDLKEQHEKKAC  
 EREMQRITLPLSAFTNPTCETVDENTIIVHSNQTADVQEGSTLLTGQAGTPGA

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_178149

**ORF Size:** 792 bp

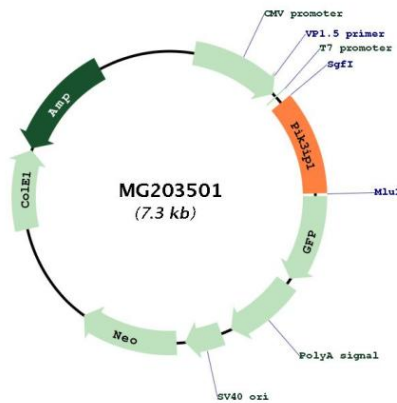
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_178149.4](#), [NP\\_835362.2](#)
- RefSeq Size:** 2267 bp
- RefSeq ORF:** 795 bp
- Locus ID:** 216505
- UniProt ID:** [Q7TMJ8](#)
- Cytogenetics:** 11 A1
- Gene Summary:** Negative regulator of hepatic phosphatidylinositol 3-kinase (PI3K) activity.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG203501