

Product datasheet for **MG214677**

Gm16381 (NM_001166062) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Tag: TurboGFP

Symbol: Gm16381

Synonyms: EG435336

Mammalian Cell Selection: Neomycin

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG214677 representing NM_001166062
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATTGAGGTGGTTTGAATGACCGTCTAGGAAAGAAAGTCCGAGTGAAGTGCAACCCGATGATACCA
TTGGTGACTTGAAGAACTGATAGCGGCTCAAACGGCACCCGCTGGAATAAGATCATTCTTAAAAAGTG
GTACACAATTTATAAGGACCACGTGTCTCTGGGAGACTATGAAATCCATGATGGGATGAACCTGGAGCTT
TATTACCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG214677 representing NM_001166062
Red=Cloning site Green=Tags(s)

MIEVVCNDRLGKKVRVKCNTDDTIGDLKLLIAAQGTWRNKKIILKKWYIYKDHVSLGDYEIHDGMNLEL
YYQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_001166062

ORF Size: 219 bp

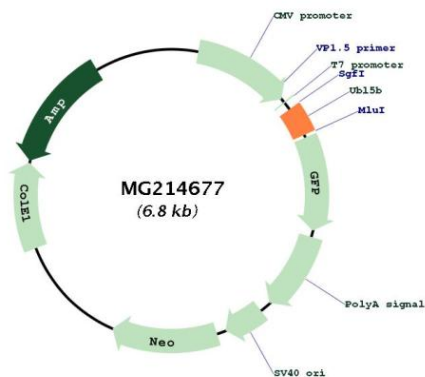
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	NM_001166062.2 , NP_001159534.1
RefSeq Size:	503 bp
RefSeq ORF:	222 bp
Locus ID:	100042786
Cytogenetics:	12 D2

Product images:

Circular map for MG214677