

## Product datasheet for **MG214438**

### **Olf1459 (NM\_146689) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Tag:** TurboGFP  
**Symbol:** Olf1459  
**Synonyms:** MOR202-17  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**ORF Nucleotide Sequence:** >MG214438 representing NM\_146689  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGAGAACAGAACAGAAGTGACATGGTTCATCCTGGTTGGACTCACCAATGACTCACAACCTGCAGCTTC  
CCCTCTTCATCACCTTCCTCCTCATCTATACTGTTACCTTTGTAGGAAACCTGGGACTGATCCTATTGAT  
TCTCTTAGACTCTCGGCTCCACACGCCCATGTACATTTTCTAAGTAACCTGTCCTTAGTGGACTTCTGT  
TACTCTCAACAATCACTCCAAGGTCATAGCTGGAATCCTCACAGGAGACAAGATCATGTCCTACAATG  
CTTGTGCCTCTCAGATGTTCTTTTTGCAAACCTTGCCAATGTGGAAAACCTACCTTTTAGTCTCCATGGC  
CTATGATCGCTATGCAGCAGTGTGTAAGCCCTACATTATGCCACCACCATGACAAAACGTGTGTGTGCA  
TCTTTAGTCATTGGCTGTTATATCTGTGGTTGCTGAATGCTTCCATCTATACTATGGATGCATTAAGTC  
TCTCCTTCTGTGAGTCTAATGTGGTTCATCATTTTTCTGTGATGTTTTGGCAATCATGACTACCTTTG  
CTCTGATAGACATGTTAACGAACTGATTCTGTTTATTTAGCCAGCTTCAATGTATTTTTGCCCTTATA  
CTCATCTTAATATCCTACATGTTTACCAACATACTAAAGATGCATTACGCTTCAGGATATTGTA  
AAGCTATCTCCACATGTGCCTCACACTAACAGCTGTCTTCAATTTCTATGGGACGATCATATTCATGTA  
CTTACAGCCAGCTCCCATCACTCCATGGACACTGACAAAATTGCATCTGTGTTCTACACCATGATCATC  
CCTATGCTGAACCTCTGGTCTATAGCCTGAGGAACAAGGATGTGAAAAGTGCATTACAAAAGATTGTAT  
TGAGGTCAGGA

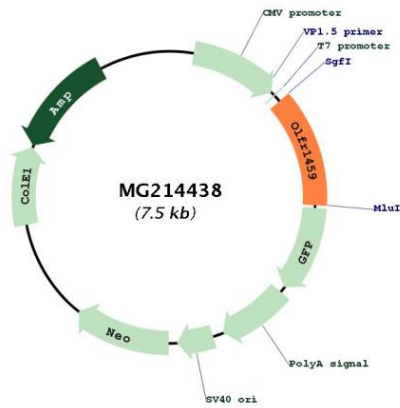
**ACCGGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA





<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_146689.1</a> , <a href="#">NP_666900.1</a>
<b>RefSeq Size:</b>	924 bp
<b>RefSeq ORF:</b>	924 bp
<b>Locus ID:</b>	258684
<b>Cytogenetics:</b>	19 A
<b>Gene Summary:</b>	Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response that triggers the perception of a smell. The olfactory receptor proteins are members of a large family of G-protein-coupled receptors (GPCR) arising from single coding-exon genes. Olfactory receptors share a 7-transmembrane domain structure with many neurotransmitter and hormone receptors and are responsible for the recognition and G protein-mediated transduction of odorant signals. The olfactory receptor gene family is the largest in the genome. The nomenclature assigned to the olfactory receptor genes and proteins for this organism is independent of other organisms. [provided by RefSeq, Jul 2008]

Product images:



Circular map for MG214438