

## Product datasheet for **MG215122**

### **Olfr1245 (NM\_146788) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Olfr1245
Synonyms:	MOR23112
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

**ORF Nucleotide Sequence:** >MG215122 representing NM\_146788  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGGAGAGAAAAGTAATATCACAGAATTTATTCTCCTGGGTCTCACTCAGGATCCTGCTGGGAGAAAA  
TATTGTTTTTCATCTTTTACTCATCTACATTGTAACCATGGTGGGCAACCTGCTTATTGTGGTGACAGT  
CATTACCAGCCCCCTCTGGGTTCTCCAATGTACTTCTTCCCTCTCTATCACTCTTGGATGCTCTT  
TTCTCCACTGCCATCTCACCAAGTTGATTGTGGATTTATTCTGTGATCAAAAAACCATCTCTTTTACAG  
CTTGCATAAGCCAGCTCTTTATAGAGCATTATTGGTGGTGTGATATTGTTATTCTGGTGGCAATGGC  
TTATGATCGCTATGTGGCAATCTGTAAGCCACTGCACTATTTGGCCATCATGAATCGAAGGGTTTGCATC  
ACTTTGTTGATAATTGCCTGGACTGGTGGTTTTACACACTCTCGATTCAAATTGTCTTTGTATAACAAC  
TTCCTTTTGTGGTCCTAATGTTATTGATCATTTTATTGTGACATGTCTCCATTATTGGTACTTGCATG  
CACAGACACCTACTTCATTGGCCTCACTGTTATTGCTAATGGTGGAGCCATGTGATTGTGATCTTCACC  
CTCCTCCTAGGCTCCTATGGAATCATCCTAAAACTCTTAAGACTCATAGTCAGGAAGGGAGCGCAAAAG  
CCCTCTCCACATGCAGCTCCCACATCTGGTAGTTATCCTCTTCTTTGTCCATGTATTTTATGTATGC  
CCGACCAGTTTACAACCTTCCCATTTGATAAATGTATTACTGTTTTTATACAATTATCACTCCCATGTTG  
AATCCTTTAATATACCTTAAGAAATTCAGAGATGAAAACCTGTATGAAAAAGCTCTGGTGCAAAATTC  
TACCTGCAGAT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA





- 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\\_146788.1](#)

**RefSeq Size:** 1062 bp

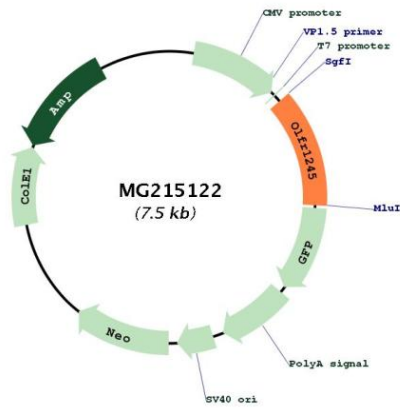
**RefSeq ORF:** 924 bp

**Locus ID:** 258784

**Cytogenetics:** 2 E1

**Gene Summary:** 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 MG215122