

## Product datasheet for **MG215088**

### **Olf1085 (NM\_146590) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Olf1085
Synonyms:	MOR191-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

**ORF Nucleotide Sequence:** >MG215088 representing NM\_146590  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGAGAAACAGAACTCTCACAGTGTGAGTGAATTCATTTTGAAAGGCATCACTGACCGTCCTGAGCTGC  
AGGCCCACTCTTTGGGCTGCTCTTCATTATCTATCTGATCTCAGCAGTGGTAATTTAGGCATCATCAT  
TACTACTAATGTGGACTCCAGTCTCCACACACCCATGACTTTTTTCTCAAACATCTGGCTTTCACTGAT  
CTTGGATATTCTACAGCCATTGGACCAAAAATGTTAGTTAATTTGTTGCAGAGCATAATTCAGTCTCCT  
ATTATCTTTGTGCTACACAGTTAGCTTGTCTTCTTTTATTACTTGTGAACTTTTATTCTTTCTTC  
AATGCTTATGACCGTTACGTGGCTATATGTAACCCCTCTTCTATACTGTCATCATGTCACAAAAGAATA  
TGTTGGGTACTTGTGGCGTCCCATATATCTACAGTGTATTGTATCTCTAATTGTCACAATAAGATTAT  
TACTTTATCCTTTGTGGCTACAATATCATCAATCATTTTTTCTGTGATTGTATCCATTAATATCTTT  
GCTCTGTTCAAATACACATGAGGTTGAAGTGATAATTAGGTTCTTTGCAACATTTGATTTGATTTCTCT  
CTTCTGGTCGTCCTTCTGTCTTATCTGTTTATTCTCATAACTATTCTGAGGATGAAATCTGCTGCAGGCA  
GATGCAAGGCTTTTTCAACCTGTGGGTCTCACCTCACTGTGGTCATTGTCTTCTATGGGACTTTGATATT  
TATGTATGTGCAGCCCAAGTCCAGTCAAACATTTGAGACTGATAAAGTGTCTTCCATATTTTACACACTT  
GTTATCCCAATGTTGAATCCCTTGATCTATACCTTGAGGAATAAAGATGTAAGGATGCCATAGAAAGAA  
CCTGGGAAAAGATAGTTACCAGTTTTTCT

**ACCGT**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\\_146590.2](#), [NP\\_666801.2](#)

**RefSeq Size:** 942 bp

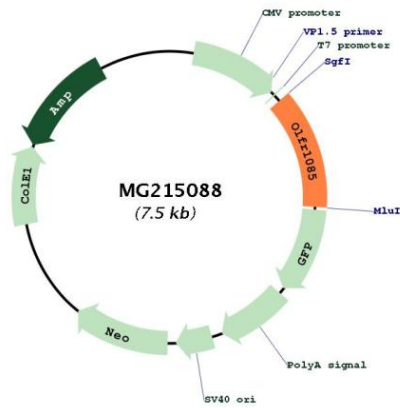
**RefSeq ORF:** 942 bp

**Locus ID:** 258583

**Cytogenetics:** 2 D

**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 MG215088