

Product datasheet for **MG214669**

Olf733 (NM_146663) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Olf733
Synonyms:	MOR241-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG214669 representing NM_146663
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

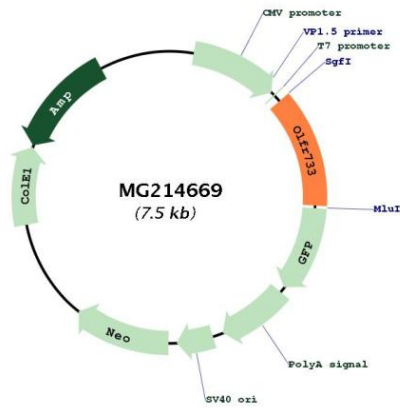
ATGGAGACAGAAAACAGGACAGTTGTCACAGAATTCATCTTCACAGGACTGACAGAGTCACTTGACATTC
AACGCTTGGTCTTTGTTCTGAGCTTAATTTTCTACATCATCATTTTGCCTGGAAATGTCTTCATCATCCT
CACCATCATATCAGACCCTGGACTTACTGCCCTCTTTATTTATTCTGGGAAATTTGGCCTTCCTGGAT
GCCTCCTACTCCTTCATTGTGGCTCCTAGGATGTTGATAGACATCTCTCTGAGAAGAAGATAATCTCCT
ACAAAGCCTGCATCACTCAGCTATTTTTTTTGCACCTCCTGGAGGAGGGGAATTTTACTACTGGTTGT
AATGGCCTTTGACCGCTACATTGCCATCTGCAGGCCTTTGTATTACTCCACTGTCATGAATCCCAGAGTC
TGCTATGTGATGTTGGTCCCTGGCTGGAGGATTTATCACTCCATTATTCAGGTTGCTCCTCATCC
TCCGCTTGCCTTCTGTGGTCCAAATCATCTAGATAATTTCTCTGTGATGTCACAGGTCATCAAGCT
AGCCTGTACAGACACCTTTCAGTCGAGATCCTTATGATCTCAATAGTGCCTGCTTACCCTTGTGTGC
TTTCTTGGTCTTCTGACTTCTATGCGATTATTTATGCCATGTTACAGGTCAGCTTCTGAAGGAAAA
ACAAAGCTATATCTACATGTACCACCTCATGTTATCATTATATTTCTTATGTTTGGACCTGCAATTTTAT
TTATACAGTCCATTCACTGCTCTATCAGCTGACAAAGTGGTTTCTTCTCCATACAGTAATATTTCCC
TTATTGAATCCTGTTATTTATACCTTCGAAACCAGGAAGTAAAACTTCCATGAAAAAGTTATTTATTC
GTCAAGTAATTTGT

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Reconstitution Method:	<ol style="list-style-type: none">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:	<u>NM_146663.2</u> , <u>NP_666874.2</u>
RefSeq Size:	994 bp
RefSeq ORF:	927 bp
Locus ID:	258657
Cytogenetics:	14 C1
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 MG214669