

Product datasheet for **MG214203**

Olfr192 (NM_207549) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Olfr192 (NM_207549) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Olfr192
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG214203 representing NM_207549 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAAAATTCAACTGTGCTGACAGAGTTTGTGCTTACAGGGCTCACAGGGTCTTCAGAGCTACAGGTGC
CCTTATTCTTGTCTTTCTGGTGATCTATCTTACTATTGTAGGGAACCTTGGTCTAATTGCTCTTAT
CTGGAATGACCCTCACTTACATATCCCTATGTACTTCTTCTTGGCCATCTGGCTTTTGTGGATGCTTCC
CTATCATCCACAGTGGCACCAAAGATGTTACTCGATTTCTTACAGATGAATAAGATGATTCCTACTCTG
AATGCATGACACAATTCTTTATCTTTGCAATCTGTGTTACTACAGAATGTTTCTTGTGTCAGCTATGGC
ATATGATCGCTATGTAGCGATATGCAAACCTTTACTTTATCCAATGATTATGACTAAGAGACTATGTATA
TGTCTCTTAGTCCTGTCTTTTGTAGGTGGAATTCTTCATTCTTCAATACACGAGGATTTCTATTACTAC
TAAATTTCTGTAATCCAATATAGTACATCACTTTTCTGTGACATCGTTCATTGCTAAAAGATTTCTCTG
TGCTGACACTACTCTTAATTTTCAACTGATATTTGTTTTGCTGGAATAATTCAAGTCTTCACGGTTGTG
ATTGTTCTTGTGCTCTATACTAGTGCTGTTTACAATTCTGCAAAGGAAGTCTGTCCAAGGTATGAAGA
AGGCTTTCTCTACCTGTGGTGCCATCTCTTATCTGTGCTCTGTACTATGGGCCTTTCTCATCATGTA
TGTTTTCCCTGTGTCCTCAAGAAGCAGATGGTCAAGATATCATAGACTCTCTGTTCTACACGATCATAATT
CCTGTGTTAAATCAATTATCTACAGCCTGAGAAACAAGCAAGTCATGGATTCTCTGAAAAATATGTTAA
AGAAAAAGTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG214203 representing NM_207549
Red=Cloning site Green=Tags(s)

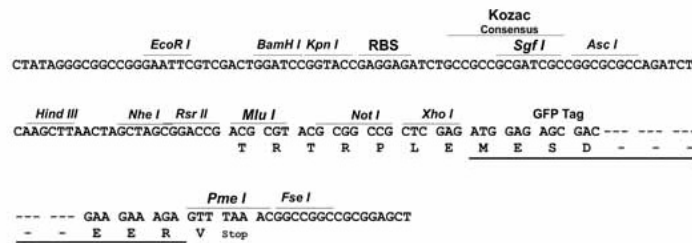
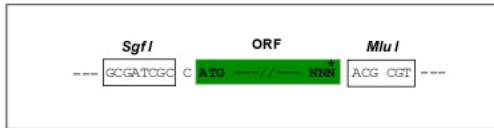
MKNSTVLTEFVL TGLTGSSELQVPLFLFFLVIYLITIVGNLGLIALIWNDPHLHIPMYFFLGHLAFVDAS
 LSSTVAPKMLLDLFLQMNKMIYSYSECMTQFFIFAICVTTECFLLSAMAYDRYVAICKPLL YPMIMTKRLCI
 CLLVLSFVGGILHSSIHEGFLLLLNF CNSNIVHHFFCDIVPLLKI SCADTTLNFQLIFVFAGIIQVFTV
 IVLVSYTLVLF TILQRKSVQGMKKAFCSTCGAHLLSVSLYYGPLLIMYVFPVSQEADGQDIIDSLFYTIII
 PVLNPIIYSLRNKQVMDSLKNMLKKKV

TRTRPLE - GFP Tag - V

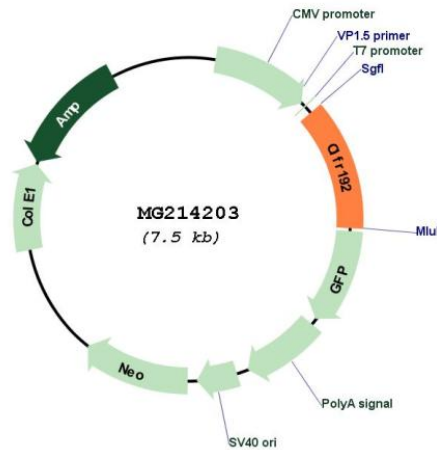
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_207549

ORF Size: 921 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:	<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.
RefSeq:	NM_207549.1 , NP_997432.1
RefSeq Size:	924 bp
RefSeq ORF:	924 bp
Locus ID:	404309
Cytogenetics:	16 C1.3
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]