

Product datasheet for **MG213848**

Olfr287 (NM_001011780) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Olfr287 (NM_001011780) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Olfr287
Synonyms: MOR286-1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG213848 representing NM_001011780
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGGTCCCAGACAGCAGACCCGAAGAACAGCAGCACTGTGACTGAGTTCATCCTCGTGGGCTTTGAGC
 AGAGCTCCCTTCCACACGGGCATTGCTCTTACCCTCTTCTGGCTCTCTACAGCCTCGCCATGGCCAT
 GAATGGCCTCATCATCTTCATCAGTGGACTGACCCAGGCTCAACAGCCCCATGTACTTCTTCTTGGC
 CACCTGTCTTCTGGAGCTCTGCTTCATCACCACCACCATCCCGCAGATGTTGGTCCATCTGGTGACCA
 AGAACCACACTGTCTCCTTTGTCTCTTGCATGACCCAGATGTACTTGGTCTTCTAGTGGGTGTGGCCGA
 GTGCATCCTCTTGGCTTTCATGGCCTATGATCGTTATGTTGCCATCTGCCACCCACTGAACTATGCCAG
 ATCATGAGCCAGAAGGTGTGTGTCAGGCTGGTGTGTTCTTCTGGATCTTTGGGATGGTCAATGGTATCT
 TTCTTGAGTATATATCATTACAGGAATCCCTTCTGCAAAGACAACCACATAGAGAATTCTTCTGTGAGGC
 TCCCATAGTGATCGCTCTCTCTGCGGGGACCTCAAGTTCACCATGAAGTTGATCTTTGTGGATGCCATT
 GTGGTGTGTGCTCAGTCCCATGGTGTCTATCATCACCTCTATGCCCGCATCTGGCCTCCATCCTCCGCA
 GGGCTCCTCCTCAGGTAGGGGAAGACATTCTCCACATGTGCCTCCACCTGACCGTGGTGTCTTTTT
 CTACACCTCAGCCATGTTTTCTTACATGAATCCCCGCAGTACACATGGGCTGACAAAGACAAGCCTTTC
 TCTCTCCTCTACACCATTATCACCCCATGTGCAACCCGGTATCTACAGCTTCCGCAACAAGGAAATGA
 AGGGGGCTATGGGCGGGCTCTTGGGATAGGTAGCCTGGCTCAGGCAGAGTCTGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG213848 representing NM_001011780
 Red=Cloning site Green=Tags(s)

MRSQTADPKNSSTVTEFILVGFQSSPSTRALLFTLFLALYSLAMAMNGLIIFITWTDPRLNSPMYFFLG
 HLSFLDVCFITTTIPQMLVHLVTKNHTVSFVSCMTQMYLVFLVGVACILLAFMAYDRYVAICHPLNYAQ
 IMSQKVCVRLVCSWIFGMVNGIFLEYISFRNPFCKDNHIENFFCEAPIVIALSCGDLKFTMKLIFVDAI
 VVLLSPMVLIIITSYARILASILRRASSSGRGTFTCASHLTVVFFYTSAMFSYMNPRSTHGPKDKP
 SLLYTIITPMCNPVIYSFRNKEMKGAMGRALGIGSLAQAESV

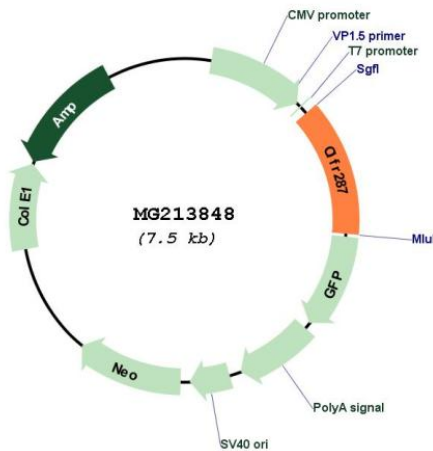
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001011780

ORF Size: 966 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_001011780.1 , NP_001011780.1
RefSeq Size:	1776 bp
RefSeq ORF:	969 bp
Locus ID:	634104
Cytogenetics:	15 F1
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]