

Product datasheet for MC214144

Olfr1055 (NM_147021) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Olfr1055 (NM_147021) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Olfr1055
 Synonyms: MOR186-1
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >MC214144 representing NM_147021
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATACGTACAATCTTACAGTACTGAAGTATTTTCATTCTAACCGGAATCACAGATCTCCCTGAAGTGC
 AGGCCCTTTATTTGGACTCTTCTCATTATATACATGATCTCTGTTGTAGGTAATTTGGGCTTGATCAT
 CCTCACAAAATAGACTCTAGACTTCAGACACCTATGTACTTCTCCTCAGACAGCTCTCTCACTGAC
 CTTGGTTATTCAACTGCTGTGGGCCTAAGATGTTAATAAATTTTGTGCTGATCAACCTACAATTTCT
 ATAATTTGGTGCTCAGTCCAGCTGACCTTCTCAGCATATTTATCACCACTGAAGTTTTTCATTCTGTGAGC
 CATGGCCTATGACCGCTATGTAGCCATCTGCCATCCACTACTGTACACAATCATCATGTCACAAAGATTA
 TGTGATGTTCTGGTGGCAATACCTTACCTCTATAGTGTTTTTATCTTTATGGACCATTATCAAGATTT
 TCATTCATCATTTTGTGGCCATAATATCATCAGGTATTTCTACTGTGACAGTCTGCCGTTGATATTGAT
 GTTATGCTCAGACACACATGAAATTAAGCTGATAATTTAATCTTTGCAACTTTAATTTGATTTCTTCT
 CTTCTGGTAGTCTCCATATCTTATCTTGATCCTTGTGCCATTCTCAGGATGAACTTTCAGAGGGCA
 GGCACAAGGCCTTCTCAACGTGTGGCTCTCATCTGACAGTGATAGTTATATTCTATGGTACTTATTTTT
 CATGTATGCACAACCAAAATCCATTCACTCCTTTGAGACTGGTCAAGTCCGATCTTTGTTCTATACACTG
 GTTATCCCATGCTGAATCCTATGATCTACAGTTTGGGAACCAAGAGGTGAAGCAGGCCTTGAATAGAA
 AATGGAAAATGTGTGTAATATTCTATTTAAATTTG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_147021
 Insert Size: 948 bp



OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_147021.1 , NP_667232.1
RefSeq Size:	948 bp
RefSeq ORF:	948 bp
Locus ID:	259023
Cytogenetics:	2 D
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) represents a non-reference strain allele and contains a polymorphism that results in an earlier stop codon, compared to variant 1. The encoded isoform (b) is shorter at the C-terminus, compared to isoform a. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the alternate allele from which it is derived. The genomic coordinates used for the transcript record were based on alignments.</p>