

## Product datasheet for MR219569

### Olfr715 (NM\_146780) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Olfr715 (NM\_146780) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Olfr715  
**Synonyms:** MOR260-1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR219569 representing NM\_146780  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGATGCAGGCAAATCAGACACAGGTGACAGAATTTATTCTTCTGGGACTCTCTGATGACCCCCACACCC  
 AGAAGCTGCTATTCATCTTATTTCTGGGCATCTATATGGTCACTGTACTTGAAACCTACTTCTCATGTT  
 CCTTGTTGGGCTGACTCTCGGCTTCACACACCCATGATTTTTTCTGTGTAACCTGCTACTGGCTGAC  
 CTCTGCTTTTCTACCAACATTGTTCCACAGGCTCTCATCCATCTCCTTTCAAGGAAAAAGACTATTTTCA  
 TTAGACGCTGTGCAGCCAGCTTCTGCTCTTTCTCATCTTTGGGTGTACACAATGTGCCCTTTTGGCTGT  
 GATGTCCTATGATCGGTATGTGGCTATCTGTAACCCTTTACATTACTCTAGCATCATGACATGGAGGGTG  
 TGTATCCAGCTGGCTACAGTGTGATGGACTAGTGGCATTTTAGTCTCTGTGGTGGACACCACTTTTACAC  
 TAAGACTTCCCTATCGAGGCAGCAACAGTATTGCTCACTTCTTTTGTGAGGCCCTGCACTTTTGGCCCT  
 GGCTTCTACAGACTCAAACCTCAGAGATGGCTATTTTCTCATGGGGTTGTGATTCTCCTTATACCT  
 GTCTCCCTAATTTCTGGTGTCTATGGCCATATCATAGTAACTGTTGTCAAGATGAAATCAGCTGTGGGA  
 GGTTCAAGGCATTTTCTACCTGTGGCTCCACCTCATGGTTGTATCCTTTTTATGGATCAGCGATTAT  
 CACCTACATGACCCAAAGTCTTCAAAGAACAGGAGAACTGGTGTCTGTTTCTATGCAATGGTGACA  
 CCTATGCTTAATCCCCTCATCTACAGCCTTAGGAACAAAGATGTAAGGGAGCTTTGTGGAAAGTAGCCA  
 TGAAGAACTTCTCAAGCAGGCTTAGAATCACCCAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR219569 representing NM\_146780  
 Red=Cloning site Green=Tags(s)

MMQANQTQVTEFILLGLSDDPHTQKLLFILFLGIYMTVLGNLLLMFLVRADSRSLHTPMYFFLCNLSLAD  
 LCFSTNIVPQALIHLLSRKKTISFRRCQAQLLLFLIFGCTQCALLAVMSYDRYVAICNPLHYSSIMTWRV  
 CIQLATVSWTSGILVSVVDFTFLRRLPYRGSNSIAHFFCEAPALLALASTDTQTSEMAIFLMGVVILLIP  
 VSLILVSYGHIIIVTVVKMKSAAGRFKAFSTCGSHLMVVILFYGSAIITYMTPKSSKEQEKLVSVFYAMVT  
 PMLNPLIYSLRNKDVKGALWKVAMKNFSSRLRITH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9021\\_g05.zip](https://cdn.origene.com/chromatograms/mm9021_g05.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_146780

**ORF Size:** 945 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:**

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\\_146780.2](#), [NP\\_666991.1](#)

**RefSeq Size:** 1131 bp

**RefSeq ORF:** 948 bp

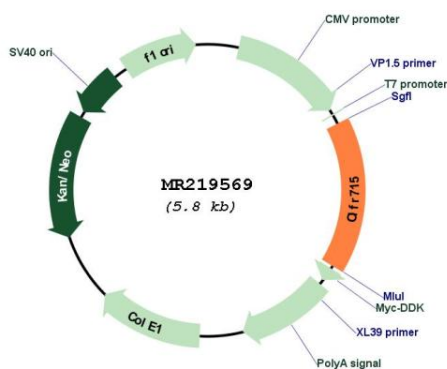
**Locus ID:** 258776

**Cytogenetics:** 7 E3

**MW:** 35.7 kDa

**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 MR219569