

Product datasheet for **MR215070**

Olfr1039 (NM_001011784) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Olfr1039 (NM_001011784) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Olfr1039
Synonyms:	MOR185-5; MOR185-9P; Olfr1517
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR215070 representing NM_001011784 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGAAGGTAACAGTTCAACAGTATTTCAAGTTCATTCTTGAAGGCCTGACAGATGACCCAGAGCTTG
AGGTCACCCTCTTTGCTGTGTTTCTAGTCATCTACTTAACTACTGTCTTGGGTAACCTAGGACTGATTAT
GCTAATCCAAGTCAGCCCTCAGCTTCACACACCCATGACTTTTTCTCTGCCACTTGGCATTGCTTGAT
TTCTGTTATACATCCTCAGTCACTCCAACACAATTATAAACTTTCTTCGAGAAATCAAAGTATAACCT
TCTATGCATGTGCCACTCAGTTTGTGTTTCATCACATTTGCTGTTTGTGAAATGACTTGCTGTCAGT
AATGGCTTATGACAGATATGTGGCCATCTGGAACCCCTCCTCTATGTGGTCCTCATGCCTAAAAAGCTC
TGTCTTACAGTCAACACAGCACATACATTTATGGATTCACTGTGGGGCTTGACAGGCAGTGGCAACT
TCCGCTTGCTTTCTGTGGCTCCAATGTGATCAACCCTTCTACTGTGATGATGTCCCCTTAGTTGCTCT
GGCCTGTCTGACTCATGTCAAAGAGCTGATGTTGCTAATCATTGCTGGCTTCAACACTCTTTGCTCT
CTGGTGATTGTGGTTATTTCTTACATCTGCATTCTTTGCCATCCTGAGGATTCATTCTGCTGAAGGAA
GAAGGAAAGCCTTTCCACTTGTGCATCCACCTGACTCCATCACCATATTTTATGGAACAATCATTTT
TATGTACCTGCAGCCCAAGTCAAGCCATTCTCTGAACACAGATAAAATTTGTTTCTGTGTTTTACGTGGTA
GTAATTTCCATGTTAAATCCGCTGATCTATAGTTTGAGAAATAAGGAGGTTAAAAATGCCCTGAAGCGAT
TTACTGAAAAATTGCTTTGACCATCCATGATTCCAGAAAGTCTGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR215070 representing NM_001011784
Red=Cloning site Green=Tags(s)

MAEGNSSTVFQFILEGLTDDPELEVTLFAVFLVIYLTTVLGNLGLIMLIQVSPQLHTPMYFFLCHLAFVD
 FCYTSSVTPNTIINFLREIKSITIFYACATQVCCFITFAVCEMYLLSVMAYDRYVAIWNPLL YVVLMPKKL
 CLQVITSTYIYGFTVGLAQAVATFRLSFCGSNVINHFYCDVPLVALACSDTHVKELMLLIAGFNTLCS
 LVIVVISYICILFAILRIHSAEGRRKAFSTCASHLTSITIFYGTIIFMYLQPKSSHLNTDKFVSVFYVW
 VIPMLNPLIYSLRNKEVKNALKRFTEKLSLTIHDSRKSE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9083_a07.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_001011784

ORF Size: 957 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_001011784.2](#), [NP_001011784.2](#)

RefSeq Size: 960 bp

RefSeq ORF: 960 bp

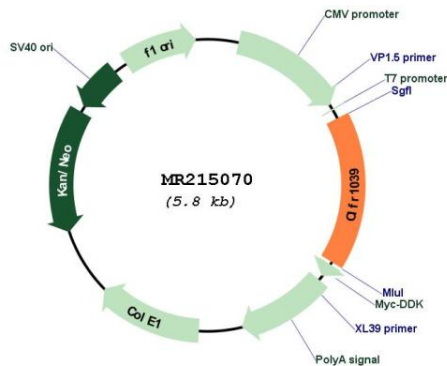
Locus ID: 257950

Cytogenetics: 2 D

MW: 36 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 MR215070