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Product datasheet for MC213313

Olfr544 (NM_020289) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Olfr544 (NM_020289) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Olfr544
Synonyms:	MOR42-3; Ors6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC213313 representing NM_020289 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGTCAGGGTGGAGCAATGGCACCTACAATGAGTCCTACACCAGCTTCCTCCTCATGGGCTTCCCAGGGA TGCAGGAAGCCAGAGCCCTCCTGGTGCTGCCCTTCCTCAGCCTCTACCTGGTGATCCTCTTCACCAATGC CCTGGTCATCCACACGGTGGCATCCCAGCGCAGCCTGCACCAGCCCATGTACCTGCTCATTGCCCTGCTC CTGGCTGTCAATATCTGCGCTGCCACCACCGTGGTGCCCCCCATGCTCTTCAGCTTCTCCACACGCTTCA ACCGCATCTCCCTCCCTCGATGCTTGGGACAGATGTTCTGCATCTACTTCCTTATTGTCTTTGACTGCAA CATCCTCCTGGTCATGGCTCTAGATCGCTATGTGGCTATCTGCTACCCTCTCCGCTACCCAGAAATAGTG ACAGGACAGTTACTGGCTGGTCTGGTGGTGCTGGCAGTCACCAGGAGCACATGCATTGTTGCTCCAGTGG TGGTGCTGGCCTCGCGGGTTCGCTTCTGTCGCTCAGATGTGATCCGCCACTTTGCCTGTGAGCACATGGC CCTGATGAAGCTTTCCTGTGGGGACATCTCGCTGAATAAGACGGTGGGACTCACTGTTCGCATCTTCAAC CGAGTCCTGGATATGCTCCTGTTAGGTGCCTCCTACTCCCGCATCATCCATGCTGCCTTCAGGATCTCAT CAGGTGGAGCACGGTCCAAAGCCCTGAACACCTGTGGCTCCCACCTGCTGGTCATCTTCACTGTCTACTC CTCCACCATGTCCTCATCCATTGTCTACCGTGTGGCGCGCACTGCCTCCCAAGATGTGCACAACTTGCTC AGTGCTTTCTATCTGTTGCTCCCGTGTCTGGTCAACCCCATCATCTACGGGGCCAGAACCAAGGAAATCA GGCAGCACCTGGTAGCTCTGTTCCAAAGGACTCAGCAACAGGTCTTCACTGAGAAGCCCCAGTCCCTGCC CTCGAATAGAGAGCTTCCTGGATGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_020289

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Insert Size:	1005 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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
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_020289.2, NP_064685.2
RefSeq Size:	1181 bp
RefSeq ORF:	1005 bp
Locus ID:	257926
Cytogenetics:	7 E3
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]

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