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Product datasheet for SC304016

OR10H1 (NM_013940) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OR10H1 (NM_013940) Human Untagged Clone
Tag:	Tag Free
Symbol:	OR10H1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304016 representing NM_013940. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGCAGAGAGCCAATCACTCCACAGTGACCCAATTCATCCTCGTCGGCTTCTCTGTCTTCCCCCACCTC CAGCTGATGCTCTTCCTGCTGTTCCTGCTGATGTACCTGTTCACGCTGCTGGGCAACCTGCTCATCATG GCCACCGTCTGGAGCGAGCGCAGCCTCCACACGCCCATGTACCTCTTCCTGTGCGCCCTCTCCGTCTCC GAGATCCTCTACACCGTGGCCATCATCCCGCGCATGCTGGCCGACCTGCTGTCCACCCAGCGCTCCATC GCCTTCCTGGCCTGTGCCAGTCAGATGTTCTTCTCCTTCAGCTTCGGCTTCACCCACTCCTTCCTGCTC ACCGTCATGGGCTACGACCGCTACGTGGCCATCTGCCACCCCCTGCGCTACAACGTGCTCATGAGCCCG CGGGGCTGCGCCTGCCTGGTGGGCTGCTCCTGGGCTGGTGGCTTGGTCATGGGGATGGTGGTGACCTCG GCCATTTTCCACCTCGCCTTCTGTGGACACAAGGAGATCCACCATTTTGCTTGCCATGTGCCACCTCTG TTGAAGTTGGCCTGTGGAGACGATGTGCTGGTGGTGGCCAAAGGCGTGGGCTTGGTGTGTATCACGGCC CTGCTGGGCTGTTTTCTCCTCATCCTCCTCTCCTATGCCTTCATCGTGGCCGCCATCTTGAAGATCCCT TCTGCTGAAGGTCGGAACAAGGCCTTCTCCACCTGTGCCTCTCACCTCACTGTGGTGGTCGTGCACTAT GGCTTTGCCTCCGTCATTTACCTGAAGCCCAAAAGTCCCCAGTCTCTGGAAGGAGACACCTTGATGGGC ATCACCTACACGGTCCTCACACCCTTCCTCAGCCCCATCATCTTCAGCCTCAGGAACAAGGAGCTGAAG GTCGCCATGAAGAAGACCTTCTTCAGTAAACTCTACCCAGAAAAAAATGTAATGATGTAG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI

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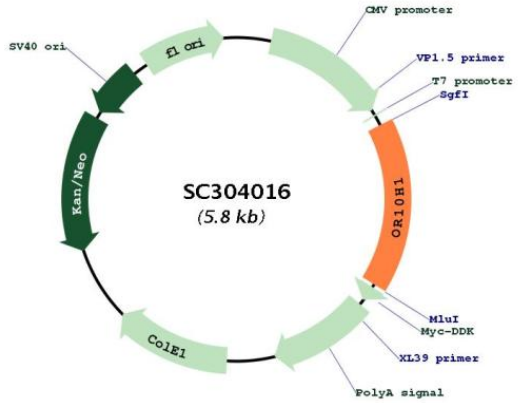
Plasmid Map:



ACCN:	NM_013940
Insert Size:	957 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
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_013940.2
RefSeq Size:	1120 bp
RefSeq ORF:	957 bp
Locus ID:	26539
UniProt ID:	Q9Y4A9
Cytogenetics:	19p13.12
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Olfactory transduction
MW:	35.3 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]