

## Product datasheet for **RG214860**

### OR11H6 (NM\_001004480) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	OR11H6 (NM_001004480) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	OR11H6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG214860 representing NM_001004480 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTCTTTATTATTCATTCTTTGGTTACTTCTGTTTTCTAACAGCTTTGGGACCCAGAACAGAACAA  
TGCATTTTGTGACTGAGTTTGTCTCTGGGTTCCATGGTCAAAGGGAGATGCAGAGCTGCTTCTTCTC  
ATTCATCCTGGTTCTCTATCTCTGACTGCTAGGGAATGGAGCTATTGTCTGTGCAGTGAATTTGGAC  
AGGCGGCTCCACACACCCATGTACATCTCTGGGAACTTTGCCTTTCTAGAGATCTGGTACATTTCTC  
CCACTGTCCCAAACATGCTAGTCAATATCTCTCTGAGATTAACCACATCTCTTCTCTGGTTGCTCCT  
GCAATTCTATTTCTTTTTCTACTGGGTACAACAGAGTGTCTTTTTATCAGTTATGGCTTATGATCGG  
TACCTGGCCATCTGTCGTCCATTACACTACCCCTCCATCATGACTGGGAAGTTCTGTATAAATTCTGGTCT  
GTGTATGCTGGGTAGCGGATTTCTCTGCTATCCAGTCCCTATTGTTCTTATCTCCAACTTCCCTTCTG  
TGGGCCCAACATCATTGACCACTGGTGTGTGACCCAGGCCATTGTTGCACTGGCCTGCATCTCTGCT  
CCTTCCACTGAGCTTATCTGTTACACCTCAACTCGATGATTATCTTTGGGCCCTTCTCTCCATCTTGG  
GATCTTACTCTGGTCACTAGAGCTGTGCTTTGTATTCCCTCTGGTCTGGTGAACAAAGCTTTCTC  
CACATGTGGGTCCACCTAATGGTGTCTCTATTCTATGGAACCTTATGGTGTATGTGAGCCCA  
ACATCAGGAACCCAGCAGGAATGCAGAAGATCATCACTCTGGTATACACAGCAATGACTCCATTCTTAA  
ATCCCCTTATCTATAGTCTTCGAAACAAAGACATGAAAGATGCTCTAAAGAGAGTCTGGGGTTAACAGT  
TAGCCAAAAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >RG214860 representing NM\_001004480  
Red=Cloning site Green=Tags(s)

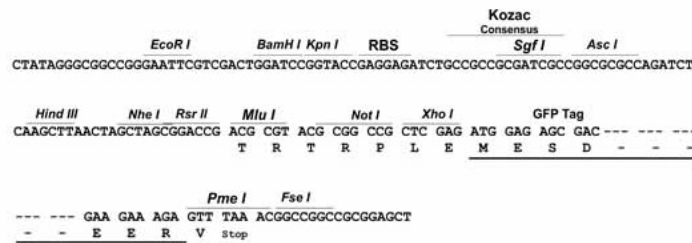
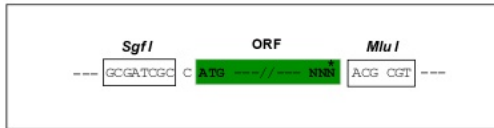
MFFIIHSLVTSVFLTALGPQNRTHFVTEFVLLGFHGQREMQSCFFSFILVLYLLTLLGNGAIVCAVKLD  
 RRLHTPMYILLGNFAFLEIWIYISSTVNPMLVNILSEIKTISFSGCFLQFYFFFSLGTTECFFLSVMAYDR  
 YLAICRPLHYPSIMTGKFCIILVCVCWVGGLFCYPVPIVLISQLPFCGPNIIDHLVCDPGLFALACISA  
 PSTELICYTFNSMIIFGPFLSILGSYTLVIRAVLCIPSGAGRTKAFSTCGSHLMVVSFLFYGTLMVMYVSP  
 TSGNPAGMQKIITLVYTAMPFLNPLIYSLRNKDMKDALKRVLGLTVSQN

TRTRPLE - GFP Tag - V

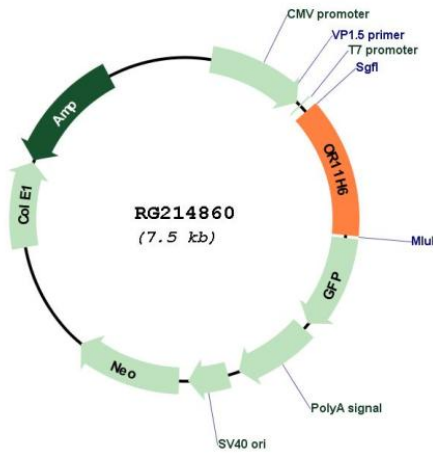
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_001004480

**ORF Size:** 990 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001004480.1</a> , <a href="#">NP_001004480.1</a>
<b>RefSeq Size:</b>	993 bp
<b>RefSeq ORF:</b>	993 bp
<b>Locus ID:</b>	122748
<b>UniProt ID:</b>	<a href="#">Q8NGC7</a>
<b>Cytogenetics:</b>	14q11.2
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Olfactory transduction
<b>Gene Summary:</b>	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]