

## Product datasheet for **RG219663**

### OR8J3 (NM\_001004064) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	OR8J3 (NM_001004064) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	OR8J3
Synonyms:	OR11-173
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG219663 representing NM_001004064 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTCCTGAAAATTTACCAGGGTCACTGAGTTTATTCTCACAGGTGTCTCTAGCTGTCCAGAGCTCC  
AGATCCCCTCTCCTGGTCTTCTAGTGCTCTATGTGCTGACCATGGCAGGGAACCTGGGCATCATCAC  
CCTCACCAGTGTGACTCTCGACTTCAAACCCCATGACTTTTTCTGAGACATCTAGCTATCATCAAT  
CTTGCAACTCTACTGTCATTGCCCTAAAATGCTGATGAACTTTTTAGTAAAGAAGAAAACCTACCTCAT  
TCTATGAATGTGCCACCAACTGGGAGGTTCTTGTCTTTATTGTATCGGAGGTAATGATGCTGGCTGT  
GATGGCCTATGACCGCTATGTGGCATTGTAAACCCTCTGCTCTACATGGTGGTGTCTCGGCGGCTC  
TGCCCTCTGCTGGTGTCCCTCACATACCTCTATGGCTTTTCTACAGCTATTGTGGTTTCACCTTGTATAT  
TCTCTGTGCTTATTGCTCTTCTAATAAATCAATCATTTTTACTGTGATATTGCACCTCTGTTAGCATT  
ATCTTGCTCTGATACTTACATACCAGAAACAATAGTCTTTATATCTGCAGCAACAAATTTGGTTTTTCC  
ATGATTACAGTTCTAGTATCTTATTTCAATATTGTTTTGTCCATTCTAAGGATACGTTACCAGAAAGGAA  
GGAAAAAGCCTTTTCCACCTGCGCTTCGCATATGATAGCAGTCACGGTTTTCTATGGGACAATGCATT  
TATGATTTGCAGCCCCAAACCAACCACTCACTGGATACTGATAAGATGGCTTCTGTGTTTTACACATTG  
GTGATTCCTATGCTGAATCCCTTGATCTACAGCCTGAGGAATAATGATGTAATGTTGCCTTAAAGAAAT  
TCATGAAAAATCCATGTTACTCCTTTAAATCAATG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG219663 representing NM\_001004064  
Red=Cloning site Green=Tags(s)

MAPENFTRVTEFILTGVSSPELQIPLFLVFLVLYVLTMAGNLGIITLTSVDSRLQNPYFFLRHLAIIN  
 LGNSTVIAPKMLMNFVKKKTTSFYECATQLGGFLFFIVSEVMMLAVMAYDRYVAICNPLLYMVVSRRL  
 CLLLVS LTYLYGFSTAI VVSPCIFSVSYCSSNIINH FYCDIAPLLALSCSDTYIPETIVFISAATNLVFS  
 MITVLVSYFNI VLSILRIRSPEGRKKAFSTCASHMIAVTVFYGTMLFMYLQPQTNHSLDTPDKMASVFYTL  
 VIPMLNPLIYSLRNNDVNVALKKFMENPCYSFKSM

TRTRPLE - GFP Tag - V

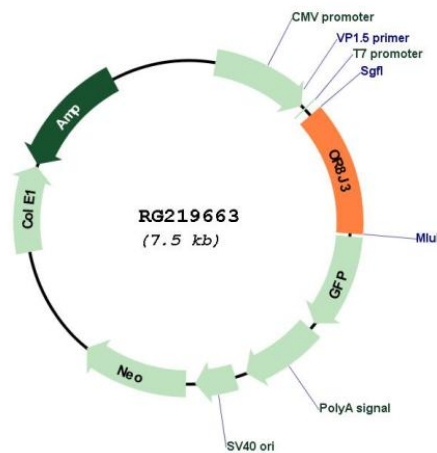
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_001004064

**ORF Size:** 945 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_001004064.1</a> , <a href="#">NP_001004064.1</a>
<b>RefSeq Size:</b>	948 bp
<b>RefSeq ORF:</b>	948 bp
<b>Locus ID:</b>	81168
<b>UniProt ID:</b>	<a href="#">Q8NGG0</a>
<b>Cytogenetics:</b>	11q12.1
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Olfactory transduction
<b>Gene Summary:</b>	Odorant receptor.[UniProtKB/Swiss-Prot Function]