

## Product datasheet for **RG223711**

### TA3 (TAAR9) (NM\_175057) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TA3 (TAAR9) (NM_175057) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TA3
Synonyms:	TA3; TAR3; TAR9; TRAR3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG223711 representing NM_175057 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTGAACAATTTCTCCCAAGCTGAGGCTGTGGAGCTGTGTTACAAGAACGTGAACGAATCCTGCATTA  
AAACTCCTTACTCGCCAGGTCCTCGATCTATCCTCTACGCCGTCCTGGTTTTGGGGCTGTGCTGGCAGC  
GTTTGAAACTTACTGGTCATGATTGCTATCCTTCACTTCAAACAACGACACACCTACAACTTTCTG  
ATTGCGTCGCTGGCCTGTGCTGACTTCTGGTGGGAGTCACTGTGATGCCCTTCAGCACAGTGAGGCTCG  
TGGAGAGCTGTTGGTACTTTGGGACAGTACTGTAAATCCATACATGTTTTGACACATCCTTCTGTTT  
TGCTTCTTTATTTCAATTTATGCTGTATCCTGTTGATAGATACATTGCTGTTACTGATCCTCTGACCTAT  
CCAACCAAGTTTACTGTGTCAGTTTCAGGGATATGCATTGTTCTTTCTGGTTCTTTTCTGTACATACA  
GCTTTTCGATCTTTTACACGGGAGCCAACGAAGAAGGAATTGAGGAATTAGTAGTTGCTCTAACCTGTGT  
AGGAGGCTGCCAGGCTCCACTGAATCAAACCTGGGTCCTACTTTGTTTTCTTCTATTCTTTATACCCAAT  
GTCGCCATGGTGTATATACAGTAAGATATTTTGGTGGCCAAGCATCAGGCTAGGAAGATAGAAAAGTA  
CAGCCAGCCAAGCTCAGTCCCTCAGAGAGTTACAAGGAAAGAGTAGCAAAAAGAGAGAAAAGGCTGC  
CAAACCTTGGGAATTGCTATGGCAGCATTCTGTCTCTTGGCTACCATACCTCGTTGATGCAGTGATT  
GATGCTTATGAATTTTATAACTCCTCCTTATGTTTATGAGATTTTAGTTTGGTGTGTTTATTATAATT  
CAGCTATGAACCCCTTGATTTATGCTTTCTTTTACCAATGGTTTGGGAAGGCAATAAACTTATTGTAAG  
CGCAAGGTCTTAAGGACTGATTCGTCAACAACAACTAATTTATTTTCTGAAGAAGTAGAGACAGAT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG223711 representing NM\_175057  
 Red=Cloning site Green=Tags(s)

MVNNFSQAEAVELCYKNVNESCIKTPYSPGPRSILYAVLGFGLAAFGNLLVMIAILHFKQLHTPTNFL  
 IASLACADFLVGVTVMPFSTVRSVESCWYFGDSYCKFHCTCFDTSFCFASLFHLCCISVDRYIAVTDPLTY  
 PTKFTVSVSGICIVLSWFFSVTYFSIFITYTGANEIEELVVALTCVGGCQAPLNQNWLLCFLLFFIPN  
 VAMVFIYSKIFLVAKHQARKIESTASQAQSSSESYKERVAKRERKAAKTLGIAMAAFLVSWLPYLVDVAVI  
 DAYMNFITPPYVVEILVWCVYYNSAMNPLIYAFFYQWFGKAIKLIYSGKVLRTDSSSTTNLFSEEVETD

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_175057

**ORF Size:** 1044 bp

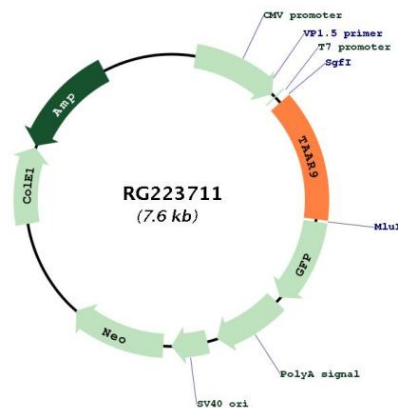
**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone 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:	<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>
RefSeq:	<a href="#">NM_175057.3</a> , <a href="#">NP_778227.3</a>
RefSeq Size:	1049 bp
RefSeq ORF:	1047 bp
Locus ID:	134860
UniProt ID:	<a href="#">Q96RI9</a>
Cytogenetics:	6q23.2
Protein Families:	Druggable Genome
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	TAAR9 is a member of a large family of rhodopsin G protein-coupled receptors (GPCRs, or GPRs). GPCRs contain 7 transmembrane domains and transduce extracellular signals through heterotrimeric G proteins.[supplied by OMIM, Jul 2005]

### Product images:



Circular map for RG223711