

## Product datasheet for RC220756

### TRAR4 (TAAR6) (NM\_175067) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TRAR4 (TAAR6) (NM_175067) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TRAR4
Synonyms:	TA4; taR-4; taR-6; TAR4; TAR6; TRAR4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC220756 representing NM_175067 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCAGCAATTCATCCCTGCTGGTGGCTGTGCAGCTGTGCTACGCGAACGTGAATGGTCTGTGTGA  
AAATCCCCTTCTCGCCGGGATCCCGGTGATTCTGTACATAGTGTGGCTTTGGGGCTGTGCTGGCTGT  
GTTTGAAACCTCCTGGTATGATTTCAATCCTCCATTTCAAGCAGCTGCACTCTCCGACCAATTTCTC  
GTTGCCTCTGGCCTGCGCTGATTTCTGGTGGTGTGACTGTGATGCCCTTCAGCATGGTCAGGACGG  
TGGAGAGCTGCTGGTATTTGGGAGGAGTTTTGTACTTCCACACCTGCTGTGATGTGGCATTGTTA  
CTTTCTCTTTCACTTGTGCTTCATCTCCATCGACAGGTACATTGCGGTTACTGACCCCTGGTCTAT  
CCTACCAAGTTCACCGTATCTGTGTCAGGAATTTGCATCAGCGTGTCTGGATCCTGCCCTCATGTACA  
CGGGTGTGTGTTCTACACAGGTGTCTATGACGATGGGCTGGAGGAATTCTGATGCCCTAAACTGTAT  
AGGAGGTTGTGACACCGTTGTAATCAAACCTGGGTGTTGACAGATTTTCTATCCTTCTTTATACCTACC  
TTTATTATGATAATTCTGTATGGTAACATATTTCTTGTGGCTAGACGACAGGCGAAAAAGATAGAAAATA  
CTGGTAGCAAGACAGAATCATCCTCAGAGAGTTACAAAGCCAGAGTGGCCAGGAGAGAGAAAAAGCAGC  
TAAAACCTGGGGTACAGTGGTAGCATTATGATTTTATGATTTTACCATATAGCATTGATTCATTAATT  
GATGCCTTTATGGGCTTTATAACCCCTGCCTGTATTTATGAGATTTGCTGTTGGTGTGCTTATTATACT  
CAGCCATGAATCCTTTGATTTATGCTTTATTTTACCCATGGTTTAGGAAAGCAATAAAAGTTATTGTAAC  
TGTCAGGTTTTAAAGAACAGTTCAGCAACCATGAATTTGTTTTCTGAACATATA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC220756 representing NM\_175067  
Red=Cloning site Green=Tags(s)

MSSNSSLLVAVQLCYANVNGSCVKIPFSPGSRVILYIVFGFVAVFGNLLVMISILHFKQLHSPTNFL  
 VASLACADFLVGVTVMPPFSMVRTVESWYFGRSFCFTHTCCDVAFVYSSLFHLCFISIDRYIAVTDPLVY  
 PTKFTVSVSGICISVSWILPLMYSGAVFYTGYYDDGLEELSDALNCIGGCQTVVNQNWVL TDFLSFFIPT  
 FIMIILYGNIFLVARRQAKKIENGTGSKTESSSESYKARVARRERKAAKTLGVTTVVAFMISWLPYSIDSLI  
 DAFMGFITPACIYEICCWCAYYNSAMNPLIYALFYVWFRKAIVKVIIVTGVVQVKNSSATMNLFSSEHI

TRTRPLEQKLISEEDLAANDILDYKDDDDKVV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1526\\_e05.zip](https://cdn.origene.com/chromatograms/ja1526_e05.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_175067

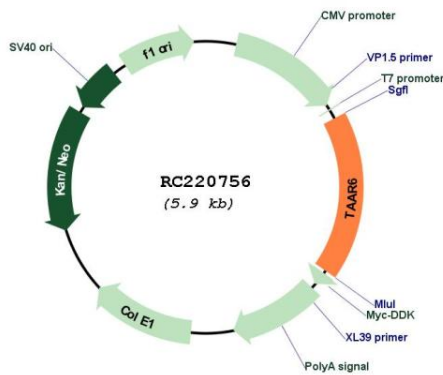
**ORF Size:** 1035 bp

**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](mailto: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](#)

<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_175067.1</a> , <a href="#">NP_778237.1</a>
<b>RefSeq Size:</b>	1038 bp
<b>RefSeq ORF:</b>	1038 bp
<b>Locus ID:</b>	319100
<b>UniProt ID:</b>	<a href="#">Q96RI8</a>
<b>Cytogenetics:</b>	6q23.2
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Protein Pathways:</b>	Neuroactive ligand-receptor interaction
<b>MW:</b>	38.3 kDa
<b>Gene Summary:</b>	This gene encodes a seven-transmembrane G-protein-coupled receptor that likely functions as a receptor for endogenous trace amines. Mutations in this gene may be associated with schizophrenia.[provided by RefSeq, Feb 2010]

### Product images:



Circular map for RC220756