

Product datasheet for **RG220756**

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:	TurboGFP
Symbol:	TRAR4
Synonyms:	TA4; taR-4; taR-6; TAR4; TAR6; TRAR4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG220756 representing NM_175067 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCAGCAATTCATCCCTGCTGGTGGCTGTGCAGCTGTGCTACGCGAACGTGAATGGTCTGTGTGA
AAATCCCCTTCTCGCCGGGATCCCGGTGATTCTGTACATAGTGTGGCTTTGGGGCTGTGCTGGCTGT
GTTTGGAAACCTCCTGGTGATGATTTCAATCCTCCATTTCAAGCAGCTGCACTCTCCGACCAATTTTCTC
GTTGCCTCTCGCCTGCGCTGATTTCTGGTGGGTGTGACTGTGATGCCCTTCAGCATGGTCAGGACGG
TGGAGAGCTGCTGGTATTTGGGAGGAGTTTTGTACTTCCACACCTGCTGTGATGTGGCATTGTTA
CTTTCTCTTTCACTTGTGCTTCATCTCCATCGACAGGTACATTGCGGTTACTGACCCCTGGTCTAT
CCTACCAAGTTCACCGTATCTGTGTCAGGAATTTGCATCAGCGTGTCTGGATCCTGCCCTCATGTACA
GCGGTGCTGTGTTCTACACAGGTGTCTATGACGATGGGCTGGAGGAATTATCTGATGCCCTAAACTGTAT
AGGAGGTTGTGACACCGTTGTAATCAAACCTGGGTGTTGACAGATTTTCTATCCTTCTTTATACCTACC
TTTATTATGATAATTCTGTATGGTAACATATTTCTTGTGGCTAGACGACAGGCGAAAAAGATAGAAAATA
CTGGTAGCAAGACAGAATCATCCTCAGAGAGTTACAAAGCCAGAGTGGCCAGGAGAGAGAAAAAGCAGC
TAAAACCTGGGGTACAGTGGTAGCATTATGATTTTACGTTACCATATAGCATTGATTCATTAATT
GATGCCTTTATGGGCTTTATAACCCCTGCCTGTATTTATGAGATTTGCTGTTGGTGTGCTTATTATACT
CAGCCATGAATCCTTTGATTTATGCTTTATTTTACCCATGGTTTAGGAAAGCAATAAAAGTTATTGTAAC
TGTCAGGTTTTAAAGAACAGTTCAGCAACCATGAATTTGTTTTCTGAACATATA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG220756 representing NM_175067
Red=Cloning site Green=Tags(s)

MSSNSSLLVAVQLCYANVNGSCVKIPFSPGSRVILYIVFGFVAVFGNLLVMISILHFKQLHSPTNFL
 VASLACADFLVGVTVMPPFSMVRTVESCWYFGRSFCFTHTCCDVAFICYSSLFHLFCFISIDRYIAVTDPLVY
 PTKFTVSVSGICISVSWILPLMYSGAVFYTGYYDDGLEELSDALNCIGGCQTVVNQNWVL TDFLSFFIPT
 FIMIILYGNIFL VARRQAKKIEN TGSKTESSSESYKARVARRERKAAKTLGVTTVAFMISWLPYSIDSLI
 DAFMGFITPACIYEICCCWCAYYNSAMNPLIYALFYFPWFRKAIVKIVTGQVLKSSATMNLFSSEHI

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja1877_e05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_175067

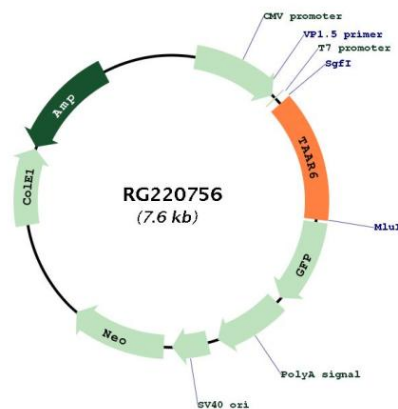
ORF Size: 1035 bp

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 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 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">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_175067.1 , NP_778237.1
RefSeq Size:	1038 bp
RefSeq ORF:	1038 bp
Locus ID:	319100
UniProt ID:	Q96R18
Cytogenetics:	6q23.2
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	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 RG220756