

Product datasheet for **SC101263**

TRAR4 (TAAR6) (NM_175067) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRAR4 (TAAR6) (NM_175067) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRAR4
Synonyms:	TA4; taR-4; taR-6; TAR4; TAR6; TRAR4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_175067, the custom clone sequence may differ by one or more nucleotides

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ATGAGCAGCAATTCATCCCTGCTGGTGGCTGTGCAGCTGTGCTACGCGAACGTGAATGGGTCTGTGTGA
AAATCCCCTTCTCGCCGGGATCCCGGTGATTCTGTACATAGTGTGGCTTTGGGGCTGTGCTGGCTGT
GTTTGAAACCTCCTGGTGATGATTTCAATCCTCCATTCAAGCAGCTGCACTCTCCACCAATTTTCTC
GTTGCCTCTCTGGCCTGCGCTGATTTCTGGTGGGTGTGACTGTGATGCCCTTCAGCATGGTCAGGACGG
TGGAGAGCTGCTGGTATTTGGGAGGAGTTTTGTACTTCCACACCTGCTGTGATGTGGCATTGTTA
CTCTTCTCTTTCACTTGTGCTTCATCTCCATCGACAGGTACATTGCGGTTACTGACCCCTGGTCTAT
CCTACCAAGTTCACCGTATCTGTGTCAGGAATTTGCATCAGCGTGTCTGGATCCTGCCCTCATGTACA
GCGGTGCTGTGTTCTACACAGGTGTCTATGACGATGGGCTGGAGGAATTATCTGATGCCCTAAACTGTAT
AGGAGGTTGTGACACCGTTGAAATCAAACTGGGTGTTGACAGATTTTCTATCCTTCTTTATACCTACC
TTTATTATGATAATTCTGTATGGTAACATATTTCTTGTGGCTAGACGACAGGCGAAAAAGATAGAAAATA
CTGGTAGCAAGACAGAATCATCCTCAGAGAGTTACAAAGCCAGAGTGGCCAGGAGAGAGAGAAAAGCAGC
TAAACCCTGGGGGTACAGTGGTAGCATTTATGATTTTCATGGTTACCATATAGCATTGATTCATTAATT
GATGCCTTTATGGGCTTTATAACCCCTGCCTGTATTTATGAGATTTGCTGTTGGTGTGCTTATTAACT
CAGCCATGAATCCTTTGATTTATGCTTTATTTTACCCATGGTTTAGGAAAGCAATAAAAGTTATTGTAAC
TGGTCAGGTTTTAAAGAACAGTTCAGCAACCATGAATTTGTTTTCTGAACATATATAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_175067 unedited
 TTTGGNAACTTGGATATTGTAACGATTCACTATAGGCGGCCGCGCAATTCGATCTGGT
 ACCGAGCTCGGCTCCACTAGTAACGGCCGCCAGTGTGCTGGAATTCGGCTTGCATTATGA
 GCAGCAATTCATCCCTGCTGGTGGCTGTGCAGCTGTGCTACGCGAACGTGAATGGGCTCT
 GTGTGAAAATCCCCTTCTCGCCGGGATCCCGGGTATTCTGTACATAGTGTGGCTTTG
 GGGCTGTGCTGGCTGTGTTTGGAAACCTCCTGGTGATGATTTCAATCCTCCATTTCAAGC
 AGCTGCACTCTCCGACCAATTTTCTCGTTGCCTCTCTGGCCTGCGCTGATTTCTTGGTGG
 GTGTGACTGTGATGCCCTTCAGCATGGTCAGGACGGTGGAGAGCTGCTGGTATTTTGGGA
 GGAGTTTTTGTACTTTCCACACCTGCTGTGATGTGGCATTGATGACTCTCTCTCTTTT
 ACTTGTGCTTCATCTCCATCGACAGGTACATTGCGTTACTGACCCCTGGTCTATCCTA
 CCAAGTTCACCGTATCTGTGTCAGGAATTTGCATCAGCGTGTCTGGATCCTGCCCTCA
 TGTACAGCGGTGCTGTGTTCTACACAGGTGTCTATGACGATGGGCTGGAGGAATTATCTG
 ATGCCCTAAACTGTATAGGAGGTTGTCAGACCGTTGTAATCACAACTGGGTGTTGACAG
 ATTTTCTATCCTTCTTTATACCTACCTTATTATGATAATTCTGCATGATCACATATTT
 TTGTGGCTAGACGACAGGCGAAAAGATAGAAAATACTGGTCAGCAGACAGATCATCTCA
 GAGAGTTACAAGGCAGAGTGGCCAGAGAGAGAAAAAGCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_175067 unedited
 GCATGGCAACTTCCGGCCAGGAGAGGCACTGGGGAGGGGTCACAGGGATGCCACCCGGG
 ATCTGTTCAAGAAACAGCTATGACCGCGCCGCCAGTGTGATGGATATCTGCAGAATTCG
 GCTTGAATTCGCTCTATACTGCTTATATATGTTTCAGAAAACAAATTCATGGTTGCTG
 AACTGTTCTTTAAACCTGACCAGTTACAATAACTTTTATTGCTTTCCTAAACCATGGGT
 AAAATAAAGCATAAATCAAAGGATTCATGGCTGAGTTATAATAAGCACACCAACAGCCAA
 AATCTCATAAATACAGGCAGGGTTATAAAGCCATAAAGGCATCAATTAAATGAATCAAT
 GCTATATGGTAACCATGAAATCATAAATGCTACCACTGTAACCCCGAGGTTTTAGCTGC
 TTTTCTCTCTCTCTGGCCACTCTGGCTTTGTAACCTCTCTGAGGATGATTCTGTCCTGCT
 ACCGATTTTATCTTTTTCGCTGCGCTACCCAGAATTGTACCTCAGATATCTATAAGTAGTT
 AAGAGTAGAATTGCACCCAGTTGATACACGCTGCACTCTATCGTAGCATGATATCTCACA
 CTCTACAC

Restriction Sites:

Please inquire

ACCN:

NM_175067

Insert Size:

1000 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](#)

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:

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: [Q96RI8](#)

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]