

Product datasheet for **SC120694**

TA1 (TAAR1) (NM_138327) Human Untagged Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | TA1 (TAAR1) (NM_138327) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | TA1 |
| Synonyms: | TA1; TAR1; TRAR1 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL4</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >OriGene sequence for NM_138327, RT-PCR generated ATGATGCCCTTTTGGCCACAATATAATTAATATTTTCCTGTGTGAAAAACAACACTGGTCAAAT GATGTCGGTGCTCCCTGTACAGTTAATGGTGCTCATAAATTCGACCACACTCGTTGGC AATCTGATAGTTATTGTTTCTATATCACACTTCAAACAACATTCATACCCCAACAATTGG CTCATTCAATCCATGGCCACTGTGGACTTTCTTCTGGGGTGTCTGGTCATGCCTTACAGT ATGGTGAGATCTGCTGAGCACTGTTGGTATTTGGAGAAGTCTTCTGTAAAATTCACACA AGCACCGACATTATGCTGAGCTCAGCCTCCATTTCCATTTGTCTTTTCATCTCCATTGAC CGCTACTATGCTGTGTGATCCACTGAGATATAAAGCCAAGATGAATATCTTGTTATT TGTGTGATGATCTTCATTAGTTGGAGTGTCCCTGCTGTTTTGCATTTGGAATGATCTTT CTGGAGCTAAACTCAAAGGCGCTGAAGAGATATATTACAAACATGTTCACTGCAGAGGA GGTTGCTCTGTCTTTAGCAAAATATCTGGGGTACTGACCTTTATGACTTCTTTTTAT ATACCTGGATCTATTATGTTATGTGTCTATTACAGAATATATCTTATCGCTAAAGAACAG GCAAGATTAATTAGTGATGCCAATCAGAAGCTCCAAATTGGATTGAAATGAAAAATGGA ATTTACAAAAGCAAAGAAAGGAAAGCTGTGAAGACATTGGGGATTGTGATGGGAGTTTTTC CTAATATGCTGGTGCCCTTTCTTTATCTGTACAGTCATGGACCCTTTTCTTCACTACATT ATTCCACCTACTTTGAATGATGTATTGATTTGGTTTGGCTACTTGAACCTACATTTAAT CCAATGGTTTATGCATTTTCCATCCTTGGTTTAGAAAAGCACTGAAGATGATGCTGTTT GGTAAAAATTTCCAAAAAGATTCATCCAGGTGTAATTTATTTTTGGAATTGAGTTCATAG |



[View online »](#)

| | |
|-------------------------------------|--|
| 5' Read Nucleotide Sequence: | >OriGene 5' read for NM_138327 unedited GGAAATTCAGATATTGTAACGACTTATATAGGCGGCGCGCTTCAAATCTGGTACCGA GCTCGGCTCCACTAGTAACGGCCGCCAGTGTGCTGGAATTCGGCTTCTGACTGACAGCCA TACAGAATGATGCCCTTTGCCACAGTATAATTAATATTCTCCTGTGTAGAAAAACAACT GGTCAAATGATGTCGGTCTCCCTGTACAGTTAATGGTGCTCATAATTCTGACCACAC TCGTTGGCAATCTGATAGTTATTGTTTCTATATCACACTTGAAACATCTTCATACCCCAT ACAAATTGTCTCATTTCATCCATGGCCACTGTGGACTTTCTTCTGGGGTGTCTGGTCATG CCTTACAGTGTGGAGAGATCTGCTGAGCACTGATGGTATCTTGGAGCAAGTCTTCTGTAA AATTCACACTCGCACCGACATTATGCTGAGCTCAGCCTCCGTTTTCCATCTGTCTTTCAT CTCCATTGACCGTACTATGCTGCGTGTGATCCACTGAGATATAAAGCCAAGATGAATAT CTTGGCTATTTGCGTGATGATCTTCATTAGCTGGAGTGTCCCTGCTGTTGTTGCATTTGG AATGATCTTTCTGGAGCTAAACTTCACATGCGCTGAACAGATATCTTACAAACATGCTTC CTGCACAAGAGGATGCTCTGTCTCTTTAGCATAATATCTGGGGTACTGACCTCTATGAC TTCCTTTTGTATACCTGGATCTATTATGTTACGGGTCTATTACAGATATATCTTATCGCT GAAGCACAGGCGGATTACTTATTGATGCCTATCACAAGCTCCAAATTGGATTGCAATGA AAATGGAAGTCCCAAGCACATAAGAAATCTGTGGATACTTAGG |
| Restriction Sites: | Please inquire |
| ACCN: | NM_138327 |
| Insert Size: | 1200 bp |
| OTI Disclaimer: | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP). |
| 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_138327.1 , NP_612200.1 |
| RefSeq Size: | 1020 bp |
| RefSeq ORF: | 1020 bp |
| Locus ID: | 134864 |
| UniProt ID: | Q96R1Q |
| Cytogenetics: | 6q23.2 |
| Protein Families: | Druggable Genome, GPCR, Transmembrane |
| Protein Pathways: | Neuroactive ligand-receptor interaction |

Gene Summary:

The protein encoded by this gene is a G-protein coupled receptor activated by trace amines. The encoded protein responds little or not at all to dopamine, serotonin, epinephrine, or histamine, but responds well to beta-phenylethylamine, p-tyramine, octopamine, and tryptamine. While primarily functioning in neurologic systems, there is evidence that this gene is involved in blood cell and immunologic functions as well. This gene is thought to be intronless. [provided by RefSeq, Nov 2015]