

Product datasheet for **SC120211**

GPR102 (TAAR8) (NM_053278) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR102 (TAAR8) (NM_053278) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR102
Synonyms:	GPR102; TA5; TaR-5; TaR-8; TAR5; TRAR5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_053278, RT-PCR generated
 ATGACCAGCAATTTTTCCCAACCTGTTGTCAGCTTTGCTATGAGGATGTGAATGGATCT
 TGTATTGAAACTCCCTATTCTCCTGGTCCCGGTAATTCTGTACACGGCGTTAGCTTT
 GGGTCTTTGCTGGCTGTATTTGGAAATCTTAGTAATGACTTCTGTTCTTCATTTAAG
 CAGCTGCACTCTCCAACCAATTTCTCATTGCCTCTCTGGCCTGTGCTGACTTCTTGGA
 GGTGTGACTGTGATGCTTTTCAGCATGGTCAGGACGGTGGAGAGCTGCTGGTATTTGGA
 GCCAAATTTGACTCTTCACAGTTGCTGTGATGTGGCATTGTTACTCTTCTGCCTC
 CACTTGTGCTTCATCTGCATCGACAGGTACATTGTGGTACTGATCCCCTGGTCTATGCT
 ACCAAGTTCACCGTGTCTGTGTCGGGAATTTGCATCAGCGTGCCTGGATTCTGCCTCTC
 ACGTACAGCGGTGCTGTGTTCTACACAGGTGCAATGATGATGGGCTGGAGGAATTAGTA
 AGTGCTCTCAACTGCGTAGGTGGCTGTCAAATTATTGTAAGTCAAGGCTGGGTGTTGATA
 GATTTTCTGTTATTCTTCATACCTACCCTTGTTATGATAATTCTTTACAGTAAGATTTT
 CTTATAGCTAAACAACAAGCTATAAAAAATTGAACTACTAGTAGCAAAGTAGAATCATCC
 TCAGAGAGTTATAAAATCAGAGTGGCCAAGAGAGAGAGGAAAGCAGCTAAAACCTGGGG
 GTCACGGTACTAGCATTGTTATTTTCATGGTTACCGTATACAGTTGATATATTAATTGAT
 GCCTTTATGGGCTTCTGACCCCTGCCTATATCTATGAAATTTGCTGTTGGAGTGCTTAT
 TATAACTCAGCCATGAATCCTTTGATTTATGCTCTATTTTATCCTTGGTTTAGGAAAGCC
 ATAAAACCTATTTAAGTGGAGATGTTTTAAAGGCTAGTTCATCAACCATTAGTTTATTT
 TTAGAATAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_053278 unedited NCGGCGCGGNAATTCATGACCAGCAATTTTCCCAACCTGTTGTGCAGCTTTGCTATGA GGATGTGAATGGATCTTGTATTGAACTCCCTATTCTCCTGGGTCCCGGGTAATTCTGTA CACGGCGTTTAGCTTTGGGTCTTTGCTGGCTGTATTTGGAAATCTCTTAGTAATGACTTC TGTTCCTCATTTAAGCAGCTGCACTCTCCAACCAATTTTCTCATTGCCTCTCTGGCCTG TGCTGACTTCTTGGTAGGTGTGACTGTGATGCTTTTCAGCATGGTCAGGACGGTGGAGAG CTGCTGGTATTTGGAGCCAAATTTGTACTCTTCACAGTTGCTGTGATGTGGCATTG TTA CTCTCTGTCTCCACTTGTGCTTCACTGTCATCGACAGGTACATTGTGGTTACTGA TCCCTGGTCTATGCTACCAAGTTCACCGTGTCTGTGTCGGGAATTTGCATCAGCGTGT CTGATTCTGCCTCTCACGTACAGCGGTGCTGTGTTCTACACAGGTGCAATGATGATGG GCTGGAGGAATTAGTAAGTGTCTCAACTGCGTAGGTGGCTGCAAATTATTGTAAGTCA AGGCTGGGTGTTGATAGATTTTCTGTTATTCTTCATACCTACCCTTGTATGATAATTCT TTACAGTAAGATTTTCTTATAGCTAAACAACAAGCTATAAAAAATTGAACTACTAGTAG CAAAGTAGAATCATCCTCAGAGAGTTATAAAATCAGAGTGCCAAAGAGAGAGAGGAAAGC AGCTAACACCCTGGGGGGTACCGTACTAGCATTTTGTATTTTCATGGTTACCGTATACAG TTGATATATTAATTGATGCCTTTATGGGCTTCTGACCCCTGCCTA
Restriction Sites:	Please inquire
ACCN:	NM_053278
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_053278.1 , NP_444508.1
RefSeq Size:	1029 bp
RefSeq ORF:	1029 bp
Locus ID:	83551
UniProt ID:	Q969N4
Cytogenetics:	6q23.2
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction

Gene Summary:

This gene is part of the trace amine receptor cluster on chromosome 6 and encodes an orphan G-protein coupled receptor. Upregulated expression of this gene in astroglial cells upon exposure to lipopolysaccharides suggests a function for the encoded protein in the brain. [provided by RefSeq, Jul 2016]