

Product datasheet for SC119816

5 HT1A (HTR1A) (NM_000524) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	5 HT1A (HTR1A) (NM_000524) Human Untagged Clone
Tag:	Tag Free
Symbol:	5 HT1A
Synonyms:	5-HT-1A; 5-HT1A; 5HT1a; ADRB2RL1; ADRBRL1; G-21; PFMCD
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_000524, the custom clone sequence may differ by one or more nucleotides

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ATGGATGTGCTCAGCCCTGGTCAGGGCAACAACACCACATCACCACCGGCTCCCTTTGAGACCGGGCA
ACACTACTGGTATCTCCGACGTGACCGTACCAAGTGATCACCTCTCTGCTGCTGGGCACGCTCAT
CTTCTGCGCGGTGCTGGGCAATGCGTGCCTGGTGGCTGCCATCGCCTGGAGCGCTCCCTGCAGAACGTG
GCCAATTATCTTATTGGCTCTTTGGCGGTACCGACCTCATGGTGTGGTGTGGTGTGCCATGGCCG
CGCTGTATCAGGTGCTCAACAAGTGGACACTGGCCAGGTAACCTGCGACCTGTTTCATCGCCCTCGACGT
GCTGTGCTGCACCTCATCATCTTGACCTGTGCGCCATCGCGTGGACAGGTAAGTGGCCATCACGGAC
CCCATCGACTACGTGAACAAGAGGACGCCCCGGCGCGCCGCTGCGCTCATCTCGCTCACTTGGCTTATTG
GCTTCTCATCTATCCGCCCCATGCTGGGCTGGCGCACCCCGAAGACCGCTCGGACCCCGACGCATG
CACCATTAGCAAGGATCATGGCTACACTATCTATTCCACCTTTGGAGCTTTCTACATCCCCTGCTGCTC
ATGCTGGTTCTCTATGGGCGCATATCCGAGCTGCGCGCTTCCGCATCCGCAAGACGGTCAAAAAGGTGG
AGAAGACCGGAGCGGACACCCGCCATGGAGCATCTCCGCCCCGAGCCCAAGAAGAGTGTGAATGGAGA
GTCGGGGAGCAGGAAGTGGAGGCTGGGCGTGGAGAGCAAGGCTGGGGGTGCTCTGTGCGCAATGGCGCG
GTGAGGCAAGGTGACGATGGCGCCGCCCTGGAGGTGATCGAGGTGACCCGAGTGGGCAACTCAAAGAGC
ACTTGCCTCTGCCAGCGAGGCTGGTCTACCCCTTGTGCCCCCGCCTTTTCGAGAGGAAAAATGAGCG
CAACGCCGAGGCGAAGCGCAAGATGGCCCTGGCCGAGAGAGGAAGACAGTGAAGACGCTGGGCATCATC
ATGGGCACCTTTCATCTCTGCTGGCTGCCCTTCTCATCGTGGCTTGTGTTCTGCCCTTCTGCGAGAGCA
GCTGCCACATGCCACCCCTGTTGGGCGCCATAATCAATTGGCTGGGCTACTCCAACCTCTCTGCTTAACCC
CGTCATTTACGCATACTTCAACAAGGACTTTCAAACGCGTTTAAAGAAGATCATTAAAGTGAAGTCTGC
GCACAGTGA

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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_000524 unedited ATTTTGTAAATACGACTACTATAGGGGCGGCCGATTCCGGCACGAGGCAGCTCCGGCAG CCAGTTCGGGAGCGGCAAAGTAAATGGACAGCGACAGACAGACGTTCCAGCCACCTCTC CGCCGCCGGGAGATCCTGGAGCTGCTTTCAGGCCAACTCCAGTTTCCAGCTGGAGCTTC TGAACGCGCTGGACTGCGAGAGCCCAGGGAGCGCCTGAAAGCTGCTCCTCGGAGATACCC TTCGCCGAAGCAGTAAGAACTTCTGCTTGGGTCTGTCATTCCCTTCCCGAAACTTC CCAGGAGAAGGGCGGAAGACCCAGGGGAAGGGGCGAGGCGAATCTTCGCGCTGCTTTTT CTTCCCTCCCTTCCCGCGCCGGCGCAGGCATGGATGTGCTCAGCCCTGGTCAGGG CAACAACACCACATCACCACCGGCTCCCTTTGAGACCGGCGCAACACTACTGGTATCTC CGACGTGACCGTCAGCTACCAAGTGATCACCTCTCTGCTGCTGGGCACGCTCATCTTCTG CGCGGTGCTGGGCAATGCGTGCGTGGTGGCTGCCATCGCCTTGGAGCGCTCCCTGCAGAA CGTGGCCAATTATCTTATTGGCTCTTTGGCGGTACCGACCTCATGGTGGTCGGTGTGG GTGCTGCCATGGCCGCGCTGTATCAGGTGCTCAACAAGTGGACACTGGGCCAGGTAACC TCGACCTNGTCATCGCCCTCGACGTGCTGTGCTGCACCTCATCCATCTTGCACCTGTGG CGCATCGCGCTGGACAGGTACTGGCCATCACGGACCCCATCGACTACGTGAACAGAGGA CGCCCGGCGCCCGGNTN</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_000524 unedited AATCNTGNCCGCGCCGCATCTANAGTCGGTTTTTTTTTTTTTTTTTTTTTTTTTTTGGAGAA ATGCAGCTATTTTATTTCTAAATTCTCTATTGCCTTGACAATTATGCTCCAGTTGGAT GTTCTTCTCCATTCTTGGGTAAATATTCCAAAGCCGAAAGAACAATGTCCAAAAGTCA TTGTCATACAATTCTGTAAAAGACACAAATAAATGGAAGTCTCAAACTTCTAATGTAAA ACTTGCTGGCCAAGACATAATTTGGATGAGCAAATTTGGGGTTTGGATTATTTAAATAT AGACTTTGTTCTTAAAATTTAGTGTAACATACAGAAAACTTGGTTTCTGATATGGCTTT ACTTAGATTATGTGAGCAAAAATGAAACTGAATTATCAAATGAGTAATAGTTGTGCTGGA GAAGTCTATCTTATCTTCTTCACTGCAGACCCTTCTCAGCATTATACATGCATAGACAAA CTATTCCAAAGTTCTAAAACCTTCCCTGTTTGTAGCTGGGATATGATGTCTACTTCCAGGT TAGAACACAGAAGCCACACCCAAGGAAAGCTTTGTTCATCTGACAAACAATAAAATGG CTTTAACTGACAGAGCTGGCCTTCACTTTTTTAAATATAAAGAAAGAAGTCTCACTGG CAATTTTGAACCCGTAAACGCTATCCGGTTTTTCAAACCACCAATGAAACACTTCCA AAGTCCCGTTTGACCACAACAAGAATCCGGGACACATTACTTTGGGAAATTTTGGGA AAACAAGACCATTATTTATAAGAAAAATGGCGGGTTCAATTAACACAGGCCAACCTTCT CATCCCCCTCCCGCGGCTTGGGCAACACCCTCCCGGTACCCTACTAATTTTTCTCTT TTGTGGGTAAAAAGACTTCACCACCTCCCCCGCAAGGATGCCACGGCTCCCCAAACA CCCGTAAGGAGAAAACCCCGGCTG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_000524
Insert Size:	4500 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:

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_000524.2](#), [NP_000515.2](#)

RefSeq Size: 1269 bp

RefSeq ORF: 1269 bp

Locus ID: 3350

UniProt ID: [P08908](#)

Cytogenetics: 5q12.3

Domains: 7tm_1

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

Gene Summary: This gene encodes a G protein-coupled receptor for 5-hydroxytryptamine (serotonin), and belongs to the 5-hydroxytryptamine receptor subfamily. Serotonin has been implicated in a number of physiologic processes and pathologic conditions. Inactivation of this gene in mice results in behavior consistent with an increased anxiety and stress response. Mutation in the promoter of this gene has been associated with menstrual cycle-dependent periodic fevers. [provided by RefSeq, Jun 2012]