

## Product datasheet for **SC214693**

### 5 HT 2A (HTR2A) (NM\_000621) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	5 HT 2A (HTR2A) (NM_000621) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	HTR2A
Synonyms:	5-HT2A; HTR2
ACCN:	NM_000621
Insert Size:	2000 bp



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**Insert Sequence:** >SC214693 3'UTR clone of NM\_000621  
 The sequence shown below is from the reference sequence of NM\_000621. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GGAGTGAATGAAAAGGTGAGCTGTGTGTGATAGGCTAGTTGCCGTGGCAACTGTGGAAGGCACACTGAG
CAAGTTTTTCACCTATCTGGAAAAAATATGAGATTGAAAAAATTAGACAAGTCTAGTGGAACCA
ACGATCATATCTGTATGCCTCATTTTATTCTGTCAATGAAAAGCGGGTCAATGCTACAAAATGTGTG
CTTGAAAAATGTTCTGACAGCATTTAGCTGTGAGCTTTCTGATACTTATTTATAACATTGTAAATGAT
ATGTCTTTAAATGATTCACCTTTATTGTATAATTATGAAGCCCTAAGTAAATCTAAATTAACCTCTAT
TTTCAAGTGAAACCTTGCTGCTATGCTGTTTATTGATGACATGGGATTGAGTTGGTTACCTATTGCTG
TAAATAAAATAGCTATAAATAGTAAAAATTTATTGAATATAATGGCCTCTAAAAATTATCTTTAAA
ACTTACTATGGTATATATTTTGAAGGAGAAAAAAGCCACTAAGGTCAGTGTATAAAATCTGTAT
TGCTAAGATAATTAATGAAACTTTGACAACATTTTTTATTCCCTGCTTTTTCATAGATACCATTTTGA
AATATTCACAAGTTGCTGGCATTGCTGCATTTCAAGTTAATTCTCAGAAGTAAAAAGACTTCAAAAT
GTTATTCAAATACTATTGCTGCTTTCTTCTACTTCTTGTGCTTTACTCTGAATTTCCAGTGTGGTCT
TGTTTAAATTTGCTCTAGGTAAACTAGCAAAAGGATGATTTAACATTACCAATGCCTTTCTAGC
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CACTCTTTGAGCAGTAAATGTATTTGATGTAAGTGTGTCAGGATTGAGGATGAACTCAGGTTCCCGG
CTACTGACAGTGGTAGAGTCTAGGACATCTCTGTA AAAAGCAGGTGACTTTCTATGACACTCATCAG
GTAAACTGATGCTTTGAGATCCATCGGTTTATACTATTTATTA AAAACCATTCTGCTTGGTTCCACAATC
ATCTATTGAGTGTACATTTATGTGTGAAGCAAATTTCTAGATATGAGAAATATAAAAAATAATTA AAAACA
AAATCCTTGCCCTTCAAACGAAATGGCTCGGCCAGGCACGGAGGCTCGTGCATGTAATCCTAGCACTTTG
GGAGGCTGAGATGGGAGGATCACTTGAGGCCAAGAGTTTGAGACCAACCTGGGTAACAAAGTGAGACCT
CCCTGTCTCTACAAAAAATCAAAAAATATCTGATCCTTGTTGGCACACAACCTGGTCCCAGCTACA
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CTGCCATTTCTCTGGCAACAGAGTGAGACCCTATCACAAAAAAGAAAGAAAAAAGAAAAATGA
CTAAACTGAAATGGTCTTAGTCAAAAAATATACAGACTATTTTTAGAAATCATTTCAACTTATTTCC
TTCTTACCTGGTTCAGAAACAAGTTTGTTCAACTGTGAGAGTAGTTTTAAAAAATAGTTTTCTGATT
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TTAGAAATACGCACCTCAATCTCAAGCCAGTTTATAACTACCATAGTTTTGAGCAAAATTTTTCTTCT
ATTTCTCAAAAACCTCACTCATTTCAGTATTACTCATTGACACTGGGCTCCCTAATAGAAAAAGCAGATA
TTATAATATTTTCAATTGAAATGGTTACTAAAGAGAAAAAGAGATTAACAACAGTTAATCCACCTTGATAT
TATAACTCAAGGTTAAATTGCATGTTGTTATTAGAATCAATGTTATATATGATTACAATGCTGA
ACGCGT AAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_000621.5](#)

**Summary:**

This gene encodes one of the receptors for serotonin, a neurotransmitter with many roles. Mutations in this gene are associated with susceptibility to schizophrenia and obsessive-compulsive disorder, and are also associated with response to the antidepressant citalopram in patients with major depressive disorder (MDD). MDD patients who also have a mutation in intron 2 of this gene show a significantly reduced response to citalopram as this antidepressant downregulates expression of this gene. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009]

**Locus ID:**

3356

**MW:**

76.3