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Product datasheet for SC119612

HTR1B (NM_000863) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HTR1B (NM_000863) Human Untagged Clone
Tag:	Tag Free
Symbol:	HTR1B
Synonyms:	5-HT-1B; 5-HT-1D-beta; 5-HT1B; 5-HT1DB; HTR1D2; HTR1DB; S12
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_000863, RT-PCR generated
ATGGAGGAACCGGGTGCTCAGTGCGCTCCACCGCCGCCCGCGGGCTCCGAGACCTGGGTT
CCTCAAGCCAACTTATCCTCTGCTCCCTCCCAAAACTGCAGCGCCAAGGACTACATTTAC
CAGGACTCCATCTCCCTACCCTGGAAAGTACTGCTGGTTATGCTATTGGCGCTCATCACC
TTGGCCACCACGCTCTCCAATGCCTTTGTGATTGCCACAGTGTACCGGACCCGGAAACTG
CACACCCCGGCTAACTACCTGATCGCCTCTCTGGCGGTCACCGACCTGCTTGTGTCCATC
CTGGTGATGCCCATCAGCACCATGTACACTGTCACCGGCCGCTGGACACTGGGCCAGGTG
GTCTGTGACTTCTGGCTGTCGTCGGACATCACTTGTTGCACTGCCTCCATCCTGCACCTC
TGTGTCATCGCCCTGGACCGCTACTGGGCCATCACGGACGCCGTGGAGTACTCAGCTAAA
AGGACTCCCAAGAGGGCGGCGGTCATGATCGCGCTGGTGTGGGTCTTCTCCATCTCTATC
TCGCTGCCGCCCTTCTTCTGGCGTCAGGCTAAGGCCGAAGAGGAGGTGTCGGAATGCGTG
GTGAACACCGACCACATCCTCTACACGGTCTACTCCACGGTGGGTGCTTTCTACTTCCCC
ACCCTGCTCCTCATCGCCCTCTATGGCCGCATCTACGTAGAAGCCCGCTCCCGGATTTTG
AAACAGACGCCCAACAGGACCGGCAAGCGCTTGACCCGAGCCCAGCTGATAACCGACTCC
CCCGGGTCCACGTCCTCGGTCACCTCTATTAACTCGCGGGTTCCCGACGTGCCCAGCGAA
TCCGGATCTCCTGTGTATGTGAACCAAGTCAAAGTGCGAGTCTCCGACGCCCTGCTGGAA
AAGAAGAAACTCATGGCCGCTAGGGAGCGCAAAGCCACCAAGACCCTAGGGATCATTTTG
GGAGCCTTTATTGTGTGTTGGCTACCCTTCTTCATCATCTCCCTAGTGATGCCTATCTGC
AAAGATGCCTGCTGGTTCCACCTAGCCATCTTTGACTTCTTCACATGGCTGGGCTATCTC
AACTCCCTCATCAACCCCATAATCTATACCATGTCCAATGAGGACTTTAAACAAGCATTC
CATAAACTGATACGTTTTAAGTGCACAAGTTGA

View online »

5' Read Nucleotide Sequence:

```
>OriGene 5' read for NM_000863 unedited
TTTTCGACCATTACGGTATTGTAAACTTTCATATAGGCGGCCGCCAGTGTGGAGGGTATC
TGCAGAATTCGGCTTGCTCCATGCCCAAGAGCTATGCTCCGTGACTGGGGCGAGGAGAGC
CATGGAGGAACCGGGTGCTCAGCGCGCTCCACCGCCGCCCGCGGGCTCCGAGACCTGGGT
TCCTCAAGCCAACTTATCCTCTGCTCCCTCCCAAAATTGCAGCGCCAAGGACTACATTTA
CCAGGACTCCATCTCCCTACCCTGACAAGTACTGCTGGTTATGCTATTGGCGCTCATCAC
CTTGGCCACCACGCTCTCCAATGCCTTTGTGATTGCCACAGTGTACCGGACCCGGAAACT
GCACACCCCGGCTAACTACCTGATCGCCTCTCTGGCGGTCACCGACCTGCTTGTGTCCAT
CCTGGTGATGCCCATCAGCACCATGTACACTGTCACCGGCCGCTGGACACTGGGCCAGGT
GGTCTGTGACTTCTGGCTGTCGTCGGACATCACTTGTTGCACTGCCTCCATCCTGCACCT
CTGTGTCATCGCCCTGGACCGCTACTGGGCCATCACGGACGCCGTGGAGTACTCAGCTAA
AAGGACTCCCAAGAGGGCGGCGGTCATGATCGCGCTGGTGTGGGTCTTCTCCATCTCTAT
CTCGCTGCCGCCCTTCTTCTGGCGATCGGCTAAGGCCGAAGAGGAGGTGTCGGTATGCGT
GGTGAACACCGACCACATCCTCTACACGGTCTACTCCACGGTGGGTGCTTTCTACTTCCC
CACCCTGCTCCTCATCGCCCTCTATGGCCGCATCTACGTAGGAGCCCGCATCCGGATTTT
GAAA
```

Restriction Sites: Please inquire

ACCN: NM_000863

Insert Size: 1500 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_000863.1, NP_000854.1

RefSeq Size: 1173 bp

RefSeq ORF: 1173 bp

Locus ID: 3351

UniProt ID: P28222

Cytogenetics: 6q14.1

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

Gene Summary: The protein encoded by this intronless gene is a G-protein coupled receptor for serotonin (5-hydroxytryptamine). Ligand binding activates second messengers that inhibit the activity of adenylate cyclase and manage the release of serotonin, dopamine, and acetylcholine in the brain. The encoded protein may be involved in several neuropsychiatric disorders and therefore is often a target of antidepressant and other psychotherapeutic drugs. [provided by RefSeq, Nov 2015]