

## Product datasheet for **RC232777**

### 5HT3E (HTR3E) (NM\_001256613) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	5HT3E (HTR3E) (NM_001256613) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	5HT3E
Synonyms:	5-HT3-E; 5-HT3c1; 5-HT3E
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC232777 representing NM\_001256613  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAAGGAAGCTGGTTCCACAGAAAAGATTTTCTTCTACCTCCTTCTCGTTTTCTGCTTCAAGGAA  
 GGGCGTTACTTTACCATCAATTGCTCAGGGTTTGGCCAGCACGGGGCGGATCCCACTGCTCTGAATTC  
 AGTGTTTAAATAGAAAGCCCTTCGGTCCGGTCACCAACATCAGCGTCCCCACCAAGTCAACATCTCCTTC  
 GCGATGTCTGCCATCCTAGATGTGAATGAACAGCTGCACCTTTGTTCATCATTCTGTGGCTGGAATGG  
 TTTGGGATAACCCATTTATCAGCTGGAACCCAGAGGAATGTGAGGGCATCACGAAGATGAGTATGGCAGC  
 CAAGAACCTGTGGCTCCCAGACATTTTCATCATTGAACCTCATGGATGTGGATAAGACCCAAAAGGCCTC  
 ACAGCATATGTAAGTAATGAAGTGCATCAGGTATAAGAAACCCATGAAGGTGGACAGTATCTGTAACC  
 TGGACATCTTCTACTTCCCCTTCGACCAGCAGAACTGCACACTCACCTTCAGCTCATTCTCTACACAGT  
 GGACAGCATGTTGCTGGACATGGAGAAAGAAGTGTGGAAATAACAGACGCATCCCGGAACATCCTTCAG  
 ACCCATGGAGAATGGGAGCTCCTGGGCCTCAGCAAGGCCACCGCAAAGTTGTCCAGGGGAGGCAACCTGT  
 ATGATCAGATCGTGTCTATGTGGCCATCAGGCGCAGGCCAGTCTCTATGTCATAAACCTTCTCGTGCC  
 CAGTGGCTTTCTGGTTGCCATCGATGCCCTCAGCTTCTACCTGCCAGTAAAAAGTGGGAATCGTGTCCCA  
 TTCAAGATAACGCTCCTGCTGGGCTACAACGTCTTCTGCTCATGATGAGTGACTTGCTCCCCACCATG  
 GCACCCCTCATCGGTGTCTACTTCGCCCTGTGCCTGTCCCTGATGGTGGGCAGCCTGTGGAGACCAT  
 CTTTCATCACCCACTGCTGCACGTGGCCACCACCCAGCCCCACCCCTGCCTCGGTGGCTCCACTCCCTG  
 CTGCTCCACTGCAACAGCCCGGGGAGATGCTGTCCACTGCGCCCCAGAAGGAAAATAAGGGCCCCGGTC  
 TCACCCCCACCCACTGCCCGGTGTGAAGGAGCCAGAGGTATCAGCAGGGCAGATGCCGGCCCTGCGGA  
 GGCAGAGCTGACAGGGGGCTCAGAATGGACAAGGGCCAGCGGGAACACGAGGCCAGAAGCAGCACTCA  
 GTGGAGCTGTGGTTGCAGTTCAGCCACGCGATGGACGCCATGCTCTTCCGCTCTACCTGCTTTCATGG  
 CCTCCTCTATCATCACCGTCATATGCCTCTGGAACACC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC232777 representing NM\_001256613  
 Red=Cloning site Green=Tags(s)

MEGSWFHRKRFSFYLLLGFLQGRGVFTTINCSGFGQHGDPTALNSVFNRPFRPVTNISVPTQVNI  
 AMSAILDVNEQLHLLSSFLWLEMVWDPFI SWNPEECEGITKMSMAAKNLWLPDIFI IELMDVDKTPKGL  
 TAYVSNAGRIRYKPKMVDISICNLDFYFPFDQONCTLTFSSFLYTVDSMLLDMEKEVWEITDASRNILQ  
 THGEWELLGLSKATAKLSRGGNLYDQIVFYVAIRRRPSLYVINLLVPSGFLVAIDALSFYLPVKSGNRVP  
 FKITLLLGYNVFLMMSDLLPTSGTPLIGVYFALCLSLMVGSLLETIFITHLLHVATTQPPPLPRWLHSL  
 LLHCNSPGRCCPTAPQKENKGPGLTPHLPGVKEPEVSAGQMPGPAEAEELTGGSEWTRAQREHEAQKQHS  
 VELWLQF SHAMDAMLFRLYLFFMASSIIITVICLWNT

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001256613

**ORF Size:** 1368 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)
**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001256613.1](#), [NP\\_001243542.1](#)
**RefSeq Size:** 2154 bp

**RefSeq ORF:** 1371 bp

**Locus ID:** 285242

**UniProt ID:** [A5X5Y0](#)

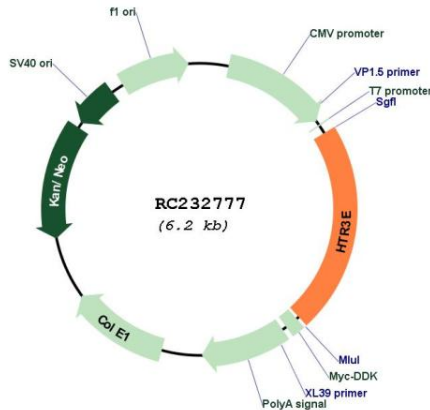
**Cytogenetics:** 3q27.1

**Protein Families:** Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane

**MW:** 51.9 kDa

**Gene Summary:** This locus encodes a 5-hydroxytryptamine (serotonin) receptor subunit. The encoded protein, subunit E, may play a role in neurotransmission in myenteric neurons. Genes encoding subunits C, D and E form a cluster on chromosome 3. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Feb 2012]

**Product images:**



Circular map for RC232777