

Product datasheet for **RG232778**

5HT3E (HTR3E) (NM_198314) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	5HT3E (HTR3E) (NM_198314) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HTR3E
Synonyms:	5-HT3-E; 5-HT3c1; 5-HT3E
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG232778 representing NM_198314
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTTAGCTTTTCATTTTATCACGGGCGACCCACGCCCTGCCTTGGGGCCCTCTCATATAGGGAGCACA
 GGGTTGCTCTCCTTCATCTCACACATTCGATGTCCACTACAGGAAGGGGGTTACTTTACCATCAATTG
 CTCAGGGTTTGGCCAGCACGGGGCGGATCCCACTGCTCTGAATTCAGTGTTTAATAGAAAGCCCTCCGT
 CCGGTACCAACATCAGCGTCCCACCCAAGTCAACATCTCCTTCGCGATGTCTGCCATCTAGATGTGG
 TTTGGGATAACCCATTTATCAGCTGGAACCCAGAGGAATGTGAGGGCATCACGAAGATGAGTATGGCAGC
 CAAGAACCTGTGGCTCCCAGACATTTTCATCATTGAACCTCATGGATGTGGATAAGACCCAAAAGGCCTC
 ACAGCATATGTAAGTAATGAAGTGCATCAGGTATAAGAAACCCATGAAGGTGGACAGTATCTGTAACC
 TGGACATCTTCTACTTCCCCTTCGACCAGCAGAACTGCACACTCACCTTCAGCTCATTCTCTACACAGT
 GGACAGCATGTTGCTGGACATGGAGAAAGAAGTGTGGAAATAACAGACGCATCCCGGAACATCCTTCAG
 ACCCATGGAGAATGGGAGCTCCTGGGCCTCAGCAAGGCCACCGCAAAGTTGTCCAGGGGAGGCAACCTGT
 ATGATCAGATCGTGTCTATGTGGCCATCAGGCGCAGGCCAGTCTCTATGTCATAAACCTTCTCGTGCC
 CAGTGGCTTTCTGGTTGCCATCGATGCCCTCAGCTTCTACCTGCCAGTAAAAAGTGGGAATCGTGTCCCA
 TTCAAGATAACGCTCCTGCTGGGCTACAACGTCTTCTGCTCATGATGAGTGACTTGCTCCCCACCAAGT
 GCACCCCTCATCGGTGTCTACTTCGCCCTGTGCCTGTCCCTGATGGTGGGCAGCCTGTGGAGACCAT
 CTTTCATCACCCACCTGCTGCACGTGGCCACCACCCAGCCCCACCCCTGCCTCGGTGGTCCACTCCCTG
 CTGCTCCACTGCAACAGCCCGGGGAGATGCTGTCCACTGCGCCCCAGAAGGAAAATAAGGGCCCGGGT
 TCACCCACCCACCTGCCCGGTGTGAAGGAGCCAGAGGTATCAGCAGGGCAGATGCCGGCCCTGCGGA
 GGCAGAGCTGACAGGGGGCTCAGAATGGACAAGGGCCAGCGGGAACACGAGGCCAGAACGACACTCA
 GTGGAGCTGTGGTTGCAGTTCAGCCACGCGATGGACGCCATGCTCTCCGCTCTACCTGCTCTTCATGG
 CCTCTCTATCATCACCGTCATATGCCTCTGGAACACC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG232778 representing NM_198314
 Red=Cloning site Green=Tags(s)

MLAFILSRATPRPALGPLSYREHRVALLHLTHSMSTTGRGVFTFTINCSGFGQHGADPTALNSVFNRKPF
 PVTNISVPTQVNISFAMSAILDVVDNPFISWNPEECEGITKMSMAAKNLWLPDIFIIELMDVDKTPKGL
 TAYVSNRIRYKPKMKVDSICNLDIFYFPDQQNCTLTFSSFLYTVDSMLLDMEKEVWEITDASRNILQ
 THGEWELLGLSKATAKLSRGGNLYDQIVFYVAIRRRPSLYVINLLVPSGFLVAIDALSFYLPVKSGNRVP
 FKITLLLLGYNVFLMMSDLLPTSGTPLIGVYFALCLSLMVGSLLETIFITHLLHVATTQPPPLPRWLHSL
 LLHCNSPGRCCPTAPQKENKGPGLTPHLPGVKEPEVSAGQMPGPAEAEELTGGSEWTRAQREHEAQKQHS
 VELWLQFSHAMDAMLFRLYLLFMASIIITVICLWNT

TRTRPLE – GFP Tag – V

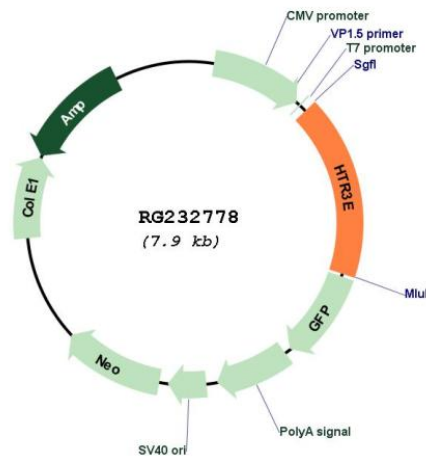
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_198314

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:	<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_198314.2 , NP_938056.1
RefSeq Size:	1882 bp
RefSeq ORF:	1371 bp
Locus ID:	285242
UniProt ID:	A5X5Y0
Cytogenetics:	3q27.1
Protein Families:	Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane
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]