

Product datasheet for **RG214223**

5HT3E (HTR3E) (NM_182589) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	5HT3E (HTR3E) (NM_182589) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	5HT3E
Synonyms:	5-HT3-E; 5-HT3c1; 5-HT3E
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG214223 representing NM_182589
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTTAGCTTTTCATTTTATCACGGGCGACCCACGCCCTGCCTTGGGGCCCTCTCATATAGGGAGCACA
 GGGTTGCTCTCCTTCATCTCACACATTCGATGTCCACTACAGGAAGGGGGTTACTTTACCATCAATTG
 CTCAGGGTTTGGCCAGCACGGGGCGGATCCCACTACTCTGAATTCAGTGTTTAATAGAAAGCCCTCCGT
 CCGGTCACCAACATCAGCGTCCCAACCAAGTCAACATCTCCTTCGCGATGTCTGCCATCTAGATGTGA
 ATGAACAGCTGCACCTCTGTATCATTCTGTGGCTGGAAATGGTTTGGGATAACCCATTTATCAGCTG
 GAACCCAGAGGAATGTGAGGGCATCACGAAGATGAGTATGGCAGCCAAGAACCTGTGGCTCCAGACATT
 TTCATCATTGAACTCATGGATGTGGATAAGACCCAAAAGGCCTCACAGCATATGTAAGTAAATGAAGGTC
 GCATCAGGTATAAGAAACCCATGAAGGTGGACAGTATCTGTAACCTGGACATCTTCTACTCCCCTCGA
 CCAGCAGAAGTGCACACTCACCTTCAGCTCATTCTCTACACAGTGGACAGCATGTTGCTGGACATGGAG
 AAAGAAGTGTGGGAAATAACAGACGCATCCCGGAACATCCTTCAGACCCATGGAGAATGGGAGCTCCTGG
 GCCTCAGCAAGGCCACCGCAAAGTTGTCCAGGGGAGGCAACCTGTATGATCAGATCGTGTCTATGTGGC
 CATCAGGCGCAGGCCAGCCTCTATGTCATAAACCTTCTCGTGCCAGTGGCTTTCTGGTTGCCATCGAT
 GCCCTCAGCTTCTACCTGCCAGTAAAAGTGGGAATCGTGTCCCATCAAGATAACGCTCCTGCTGGGCT
 ACAACGTCTTCTGCTCATGATGAGTGACTTGCTCCCAACAGTGGCACCCCTCATCGGTGTCTACTT
 CGCCCTGTGCCTGTCCCTGATGGTGGGAGCCTGCTGGAGACCATCTTATCACCCACCTGCTGCACGTG
 GCCACCCAGCCACCCACCCCTGCCTCGTGGTCCACTCCCTGCTGCTCCACTGCAACAGCCCGGGGA
 GATGCTGTCCACTGCGCCCCAGAAGGAAAATAAGGGCCCGGGTCTACCCCAACCCACCTGCCCGGTGT
 GAAGGAGCCAGAGGTATCAGCAGGGCAGATGCCGGCCCTGCGGAGGCAGAGCTGACAGGGGGCTCAGAA
 TGGACAAGGGCCAGCGGAAACAGAGGCCAGAGCACTAGTGGAGCTGTGGTTGCAAGTTCAGCC
 ACGCGATGGACGCCATGCTCTCCGCTCTACCTGCTCTCATGGCTCCTCTATCATCACCGTCATATG
 CCTCTGGAACACC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG214223 representing NM_182589
 Red=Cloning site Green=Tags(s)

MLAFILSRATPRPALGPLSYREHRVALLHLTHSMSTTGRGVFTFTINCSGFGQHGADPTTLNSVFNRKPF
 PVTNISVPTQVNI SFAMSAILDVNEQLHLLSSFLWLEMVWDPNPFISWNPEECEGITKMSMAAKNLWLPDI
 FIIELMDVDKTPKGLTAYVSNAGRIRYKPKMVDISICNLDFYFPFDQQNCTLTFSSFLYTVDMSLLDME
 KEVWEITDASRNILQTHGEWELLGLSKATAKLSRGGNLYDQIVFYVAIRRRPSLYVINLLVPSGFLVAID
 ALSFYLPVKSGNRVFPKITLLLGYNVFLMMSDLLPTSGTPLIGVYFALCLSLMVGSLLETIFITHLLHV
 ATTQPPPLPRWLHSLLLHCNSPGRCCPTAPQKENKGPGLTPTHLPVKEPEVSAGQMPGPAAEELTGGSE
 WTRAQREHEAQHQHVELWLQF SHAMDAMLFRLYLLFMASIIITVICLWNT

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_182589

ORF Size: 1413 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_182589.2](#), [NP_872395.2](#)

RefSeq Size: 1927 bp

RefSeq ORF: 1416 bp

Locus ID: 285242

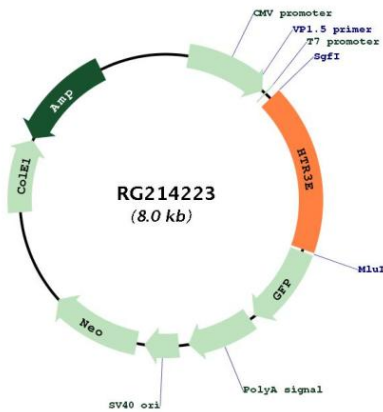
UniProt ID: [A5X5Y0](#)

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]

Product images:



Circular map for RG214223