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Product datasheet for RG232777

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:	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)

View online »

ORF Nucleotide Sequence:

>RG232777 representing NM_001256613
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAAGGAAGCTGGTTCCACAGGAAAAGATTTTCCTTCTACCTCCTTCTCGGTTTTCTGCTTCAAGGAA
GGGGCGTTACTTTCACCATCAATTGCTCAGGGTTTGGCCAGCACGGGGCGGATCCCACTGCTCTGAATTC
AGTGTTTAATAGAAAGCCCTTCCGTCCGGTCACCAACATCAGCGTCCCCACCCAAGTCAACATCTCCTTC
GCGATGTCTGCCATCCTAGATGTGAATGAACAGCTGCACCTCTTGTCATCATTCCTGTGGCTGGAAATGG
TTTGGGATAACCCATTTATCAGCTGGAACCCAGAGGAATGTGAGGGCATCACGAAGATGAGTATGGCAGC
CAAGAACCTGTGGCTCCCAGACATTTTCATCATTGAACTCATGGATGTGGATAAGACCCCAAAAGGCCTC
ACAGCATATGTAAGTAATGAAGGTCGCATCAGGTATAAGAAACCCATGAAGGTGGACAGTATCTGTAACC
TGGACATCTTCTACTTCCCCTTCGACCAGCAGAACTGCACACTCACCTTCAGCTCATTCCTCTACACAGT
GGACAGCATGTTGCTGGACATGGAGAAAGAAGTGTGGGAAATAACAGACGCATCCCGGAACATCCTTCAG
ACCCATGGAGAATGGGAGCTCCTGGGCCTCAGCAAGGCCACCGCAAAGTTGTCCAGGGGAGGCAACCTGT
ATGATCAGATCGTGTTCTATGTGGCCATCAGGCGCAGGCCCAGTCTCTATGTCATAAACCTTCTCGTGCC
CAGTGGCTTTCTGGTTGCCATCGATGCCCTCAGCTTCTACCTGCCAGTGAAAAGTGGGAATCGTGTCCCA
TTCAAGATAACGCTCCTGCTGGGCTACAACGTCTTCCTGCTCATGATGAGTGACTTGCTCCCCACCAGTG
GCACCCCCCTCATCGGTGTCTACTTCGCCCTGTGCCTGTCCCTGATGGTGGGCAGCCTGCTGGAGACCAT
CTTCATCACCCACCTGCTGCACGTGGCCACCACCCAGCCCCCACCCCTGCCTCGGTGGCTCCACTCCCTG
CTGCTCCACTGCAACAGCCCGGGGAGATGCTGTCCCACTGCGCCCCAGAAGGAAAATAAGGGCCCGGGTC
TCACCCCCACCCACCTGCCCGGTGTGAAGGAGCCAGAGGTATCAGCAGGGCAGATGCCGGGCCCTGCGGA
GGCAGAGCTGACAGGGGGCTCAGAATGGACAAGGGCCCAGCGGGAACACGAGGCCCAGAAGCAGCACTCA
GTGGAGCTGTGGTTGCAGTTCAGCCACGCGATGGACGCCATGCTCTTCCGCCTCTACCTGCTCTTCATGG
CCTCCTCTATCATCACCGTCATATGCCTCTGGAACACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

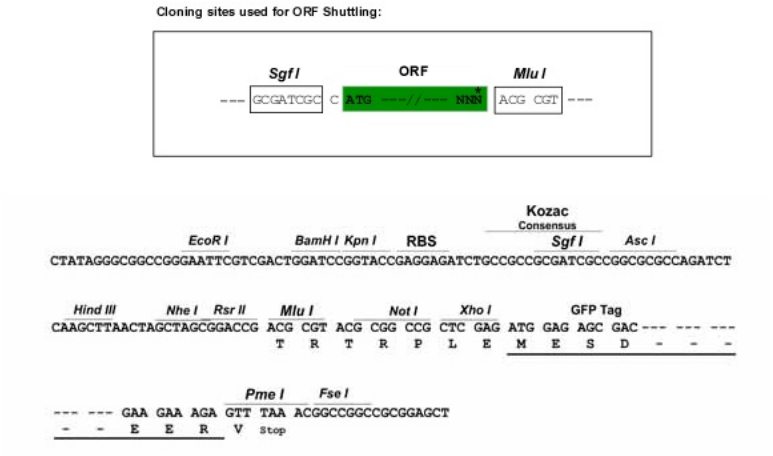
>RG232777 representing NM_001256613
Red=Cloning site Green=Tags(s)

MEGSWFHRKRFSFYLLLGFLLQGRGVTFTINCSGFGQHGADPTALNSVFNRKPFRPVTNISVPTQVNISF
AMSAILDVNEQLHLLSSFLWLEMVWDNPFISWNPEECEGITKMSMAAKNLWLPDIFIIELMDVDKTPKGL
TAYVSNEGRIRYKKPMKVDSICNLDIFYFPFDQQNCTLTFSSFLYTVDSMLLDMEKEVWEITDASRNILQ
THGEWELLGLSKATAKLSRGGNLYDQIVFYVAIRRRPSLYVINLLVPSGFLVAIDALSFYLPVKSGNRVP
FKITLLLGYNVFLLMMSDLLPTSGTPLIGVYFALCLSLMVGSLLETIFITHLLHVATTQPPPLPRWLHSL
LLHCNSPGRCCPTAPQKENKGPGLTPTHLPGVKEPEVSAGQMPGPAEAELTGGSEWTRAQREHEAQKQHS
VELWLQFSHAMDAMLFRLYLLFMASSIITVICLWNT

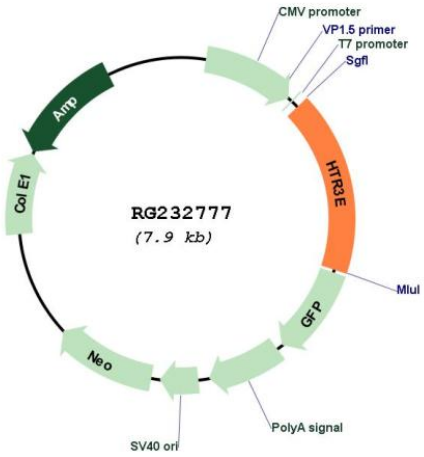
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



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
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]