

Product datasheet for RC232732

5HT3E (HTR3E) (NM_198313) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	5HT3E (HTR3E) (NM_198313) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HTR3E
Synonyms:	5-HT3-E; 5-HT3c1; 5-HT3E
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC232732 representing NM_198313 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAAGGAAGCTGGTTCACAGGAAAAGATTTCTTCTACCTCCTTCTCGGTTTTCTGCTTCAAGGAA
GGGGCGTTACTTTACCATCAATTGCTCAGGGTTTGGCCAGCACGGGGCGGATCCCCTGCTCTGAATTC
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CGGATGCTGCCATCCTAGATGTGGTTTGGGATAACCCATTTATCAGCTGGAACCCAGAGGAATGTGAGG
GCATCACGAAGATGAGTATGGCAGCCAAGAACCTGTGGCTCCCAGACATTTTCATCATTGAACATCATGGA
TGTGGATAAGACCCAAAAGGCCTCACAGCATATGTAAGTAATGAAGGTCGCATCAGGTATAAGAAACCC
ATGAAGGTGGACAGTATCTGTAACCTGGACATCTTCTACTTCCCCTTCGACCAGCAGAAGTGCACACTCA
CCTTCAGCTATTCTCTACACAGTGGACAGCATGTTGCTGGACATGGAGAAAGAAGTGTGGGAAATAAC
AGACGCATCCCGGAACATCCTTCAGACCCATGGAGAATGGGAGCTCCTGGGCCTCAGCAAGGCCACCGCA
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TCTATGTCATAAACCTTCTCGTGCCAGTGGCTTTCTGGTTGCCATCGATGCCCTCAGCTTCTACCTGCC
AGTGAAAAGTGGGAATCGTGTCCATTCAAGATAACGCTCCTGCTGGGCTACAACGTCTTCTCTGCTCATG
ATGAGTGACTTGCTCCCCACAGTGGCACCCCCCTCATCGGTGTCTACTTCGCCCTGTGCCTGTCCCTGA
TGGTGGGCAGCCTGCTGGAGACCATCTTCATCACCCACCTGCTGCACGTGGCCACCACCCAGCCCCACC
CCTGCCTCGGTGGCTCCACTCCCTGCTGCTCCACTGCAACAGCCCGGGGAGATGCTGTCCACTGCGCCC
CAGAAGGAAAATAAGGGCCCGGTCTCACCCACCCACCTGCCCGGTGTGAAGGAGCCAGAGGTATCAG
CAGGGCAGATGCCGGCCCTGCGGAGGCAGAGCTGACAGGGGGCTCAGAATGGACAAGGGCCAGCGGGA
ACACGAGGCCCAGAAGCAGCACTCAGTGGAGCTGTGGTTGCAGTTCAGCCACGCGATGGACGCCATGCTC
TCCGCCTCTACCTGCTTTCATGGCCTCTCTATCATACCGTCATATGCCTCTGGAACACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC232732 representing NM_198313
Red=Cloning site Green=Tags(s)

MEGSWFHRKRFSFYLLLGFLQGRGVFTTINCSGFGQHGDPTALNSVFNRPFRPVNTISVPTQVNI SF
 AMSAILDVVWDPFISWNPEECEGITKMSMAAKNLWLPDIFI IELMDVDKTPKGLTAYVSN EGRIRYK KP
 MKVDSICNLDIFYFPDQQNCTLTFSSFLYTVD SMLLDMEKEVWEITDASRNILQTHGEWELLGLSKATA
 KLSRGGNLYDQIVFYVAIRRRPSLYVINLLVPSGFLVAIDALSFYLPVKSGNRVPFKITLLLLGYNVFLLM
 MSDLLPTSGTPLIGVYFALCLSLMVGSLLETIFIT HLLHVATTQPPPLPRWLHLLLLHCNSPGRCCPTAP
 QKENKGPGLTPTHLPGVKEPEVSAGQMPGPAEAE LTTGGSEWTRAQREHEAQKQHSVELWLQF SHAMDAML
 FRLYLLFMASIIITVICLWNT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

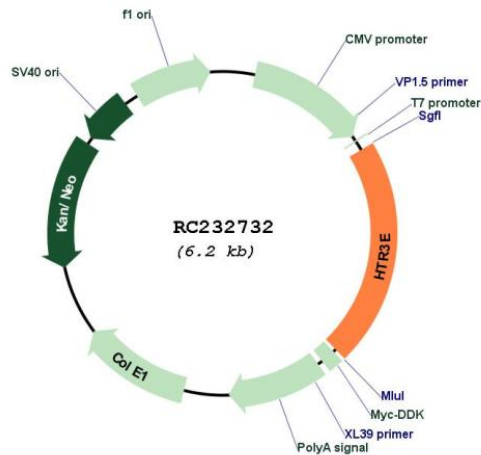
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_198313

ORF Size:	1323 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_198313.2 , NP_938055.1
RefSeq Size:	2109 bp
RefSeq ORF:	1326 bp
Locus ID:	285242
UniProt ID:	A5X5Y0
Cytogenetics:	3q27.1
Protein Families:	Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane
MW:	50 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]