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Product datasheet for SC330468

5HT3E (HTR3E) (NM_001256613) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: 5HT3E (HTR3E) (NM_001256613) Human Untagged Clone

Tag: Tag Free

Symbol: HTR3E

Synonyms: 5-HT3-E; 5-HT3c1; 5-HT3E

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC330468 representing NM_001256613.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGAAGGAAGCTGGTTCCACAGGAAAAGATTTTCCTTCTACCTCCTTCTCGGTTTTCTGCTTCAAGGA
AGGGGCGTTACTTTCACCATCAATTGCTCAGGGTTTGGCCAGCACGGGGCGGATCCCACTGCTCTGAAT
TCAGTGTTTAATAGAAAGCCCTTCCGTCCGGTCACCAACATCAGCGTCCCCACCCAAGTCAACATCTCC
TTCGCGATGTCTGCCATCCTAGATGTGAATGAACAGCTGCACCTCTTGTCATCATTCCTGTGGCTGGAA
ATGGTTTGGGATAACCCATTTATCAGCTGGAACCCAGAGGAATGTGAGGGCATCACGAAGATGAGTATG
GCAGCCAAGAACCTGTGGCTCCCAGACATTTTCATCATTGAACTCATGGATGTGGATAAGACCCCAAAA
GGCCTCACAGCATATGTAAGTAATGAAGGTCGCATCAGGTATAAGAAACCCATGAAGGTGGACAGTATC
TGTAACCTGGACATCTTCTACTTCCCCTTCGACCAGCAGAACTGCACACTCACCTTCAGCTCATTCCTC
TACACAGTGGACAGCATGTTGCTGGACATGGAGAAAGAAGTGTGGGAAATAACAGACGCATCCCGGAAC
ATCCTTCAGACCCATGGAGAATGGGAGCTCCTGGGCCTCAGCAAGGCCACCGCAAAGTTGTCCAGGGGA
GGCAACCTGTATGATCAGATCGTGTTCTATGTGGCCATCAGGCGCAGGCCCAGTCTCTATGTCATAAAC
CTTCTCGTGCCCAGTGGCTTTCTGGTTGCCATCGATGCCCTCAGCTTCTACCTGCCAGTGAAAAGTGGG
AATCGTGTCCCATTCAAGATAACGCTCCTGCTGGGCTACAACGTCTTCCTGCTCATGATGAGTGACTTG
CTCCCCACCAGTGGCACCCCCCTCATCGGTGTCTACTTCGCCCTGTGCCTGTCCCTGATGGTGGGCAGC
CTGCTGGAGACCATCTTCATCACCCACCTGCTGCACGTGGCCACCACCCAGCCCCCACCCCTGCCTCGG
TGGCTCCACTCCCTGCTGCTCCACTGCAACAGCCCGGGGAGATGCTGTCCCACTGCGCCCCAGAAGGAA
AATAAGGGCCCGGGTCTCACCCCCACCCACCTGCCCGGTGTGAAGGAGCCAGAGGTATCAGCAGGGCAG
ATGCCGGGCCCTGCGGAGGCAGAGCTGACAGGGGGCTCAGAATGGACAAGGGCCCAGCGGGAACACGAG
GCCCAGAAGCAGCACTCAGTGGAGCTGTGGTTGCAGTTCAGCCACGCGATGGACGCCATGCTCTTCCGC
CTCTACCTGCTCTTCATGGCCTCCTCTATCATCACCGTCATATGCCTCTGGAACACCTAG

Restriction Sites: SgfI-MluI

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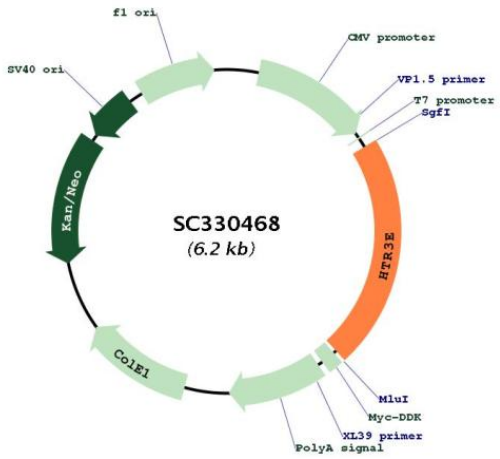
Plasmid Map:



ACCN:	NM_001256613
Insert Size:	1371 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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
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:	51.4 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] Transcript Variant: This variant (4) has multiple differences in the 5' UTR and coding region, compared to variant 1. These differences result in translation initiation at an alternate start codon, compared to variant 1. The encoded isoform (d) has a distinct N-terminus and is shorter than isoform a.