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Product datasheet for SC330469

5HT3E (HTR3E) (NM_001256614) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: 5HT3E (HTR3E) (NM_001256614) Human Untagged Clone

Tag: Tag Free

Symbol: HTR3E

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

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC330469 representing NM_001256614.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGTTAGCTTTCATTTTATCACGGGCGACCCCACGCCCTGCCTTGGGGCCCCTCTCATATAGGGAGCAC
AGGGTTGCTCTCCTTCATCTCACACATTCGATGTCCACTACAGGAAGGGGCGTTACTTTCACCATCAAT
TGCTCAGGGTTTGGCCAGCACGGGGCGGATCCCACTGCTCTGAATTCAGTGTTTAATAGAAAGCCCTTC
CGTCCGGTCACCAACATCAGCGTCCCCACCCAAGTCAACATCTCCTTCGCGATGTCTGCCATCCTAGAT
GTGGTTTGGGATAACCCATTTATCAGCTGGAACCCAGAGGAATGTGAGGGCATCACGAAGATGAGTATG
GCAGCCAAGAACCTGTGGCTCCCAGACATTTTCATCATTGAACTGTGCGTATCAAGGGCTGGTCAGAGG
GAAGTCCCATCTCCTGGTAGCCACAGAGATCACAGTTTACCATTGGGGCCACTCATGGATGTGGATAAG
ACCCCAAAAGGCCTCACAGCATATGTAAGTAATGAAGGTCGCATCAGGTATAAGAAACCCATGAAGGTG
GACAGTATCTGTAACCTGGACATCTTCTACTTCCCCTTCGACCAGCAGAACTGCACACTCACCTTCAGC
TCATTCCTCTACACAGTGGACAGCATGTTGCTGGACATGGAGAAAGAAGTGTGGGAAATAACAGACGCA
TCCCGGAACATCCTTCAGACCCATGGAGAATGGGAGCTCCTGGGCCTCAGCAAGGCCACCGCAAAGTTG
TCCAGGGGAGGCAACCTGTATGATCAGATCGTGTTCTATGTGGCCATCAGGCGCAGGCCCAGTCTCTAT
GTCATAAACCTTCTCGTGCCCAGTGGCTTTCTGGTTGCCATCGATGCCCTCAGCTTCTACCTGCCAGTG
AAAAGTGGGAATCGTGTCCCATTCAAGATAACGCTCCTGCTGGGCTACAACGTCTTCCTGCTCATGATG
AGTGACTTGCTCCCCACCAGTGGCACCCCCCTCATCGGTGTCTACTTCGCCCTGTGCCTGTCCCTGATG
GTGGGCAGCCTGCTGGAGACCATCTTCATCACCCACCTGCTGCACGTGGCCACCACCCAGCCCCCACCC
CTGCCTCGGTGGCTCCACTCCCTGCTGCTCCACTGCAACAGCCCGGGGAGATGCTGTCCCACTGCGCCC
CAGAAGGAAAATAAGGGCCCGGGTCTCACCCCCACCCACCTGCCCGGTGTGAAGGAGCCAGAGGTATCA
GCAGGGCAGATGCCGGGCCCTGCGGAGGCAGAGCTGACAGGGGGCTCAGAATGGACAAGGGCCCAGCGG
GAACACGAGGCCCAGAAGCAGCACTCAGTGGAGCTGTGGTTGCAGTTCAGCCACGCGATGGACGCCATG
CTCTTCCGCCTCTACCTGCTCTTCATGGCCTCCTCTATCATCACCGTCATATGCCTCTGGAACACCTAG

Restriction Sites: SgfI-MluI

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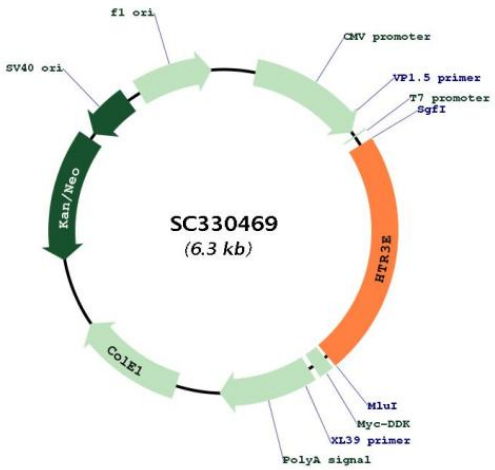
Plasmid Map:



ACCN:	NM_001256614
Insert Size:	1449 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_001256614.1
RefSeq Size:	1960 bp
RefSeq ORF:	1449 bp
Locus ID:	285242
UniProt ID:	A5X5Y0

Cytogenetics:	3q27.1
Protein Families:	Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane
MW:	53.7 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 (5) lacks an alternate in-frame exon and uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. This results in a longer protein (isoform e), compared to isoform a.