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Product datasheet for SC207122

alpha 2C Adrenergic Receptor (ADRA2C) (NM_000683) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	alpha 2C Adrenergic Receptor (ADRA2C) (NM_000683) Human 3' UTR Clone
Symbol:	alpha 2C Adrenergic Receptor
Synonyms:	ADRA2L2; ADRA2RL2; ADRARL2; ALPHA2CAR
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000683
Insert Size:	561 bp
Insert Sequence:	>SC207122 3'UTR clone of NM_000683 The sequence shown below is from the reference sequence of NM_000683. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CGACGGAGGAGAAGGGGCTTCAGGCAGTGACTCGCACCCGTCTGGGAATCCTGGACAGCTCCGCGCTCG GGGCTGGGCAGAAGGGGCGGCCCGGACGGGGGAGCTTTCCCAGAGACCCGGGGATGGATTGGCCTCCAG GGCGCAGGGGAGGGTGCGGCAGGGCAGGAGCTTGGCAGAGAGATAGCCGGGCTCCAGGGAGTGGGGAGG AGAGAGGGGGAGACCCCTTTGCCTTCCCCCCTCAGCAAGGGGCTGCTTCTGGGGCTCCCTGCCTGGATC CAGCTCTGGGAGCCCTGCCGAGGTGTGGCTGTGAGGTCAGGGTTTTAGAGAGCAGTGGCAGAGGTAGCC CCCTAAATGGGCAAGCAAGGAGCCCCCCAAAGACACTACCACTCCCCATCCCCGTCTGACCAAGGGCTG ACTTCTCCAGGACCTAGTCGGGGGGTGGCTGCCAGGGGGCAAGGAGAAAGCACCGACAATCTTTGATTA CTGAAAGTATTTAAATGTTTGCCAAAAACAACAGCCAAAACAACCAAACTATTTTCTAAATAAACCTTT GTAATCTAA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

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Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_000683.4
Summary:	Alpha-2-adrenergic receptors are members of the G protein-coupled receptor superfamily. They include 3 highly homologous subtypes: alpha2A, alpha2B, and alpha2C. These receptors have a critical role in regulating neurotransmitter release from sympathetic nerves and from adrenergic neurons in the central nervous system. The mouse studies revealed that both the alpha2A and alpha2C subtypes were required for normal presynaptic control of transmitter release from sympathetic nerves in the heart and from central noradrenergic neurons. The alpha2A subtype inhibited transmitter release at high stimulation frequencies, whereas the alpha2C subtype modulated neurotransmission at lower levels of nerve activity. This gene encodes the alpha2C subtype, which contains no introns in either its coding or untranslated sequences. [provided by RefSeq, Jul 2008]
Locus ID:	152
MW:	19.9