

Product datasheet for SC107904

alpha 2b Adrenergic Receptor (ADRA2B) (NM_000682) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	alpha 2b Adrenergic Receptor (ADRA2B) (NM_000682) Human Untagged Clone
Tag:	Tag Free
Symbol:	alpha 2b Adrenergic Receptor
Synonyms:	ADRA2L1; ADRA2RL1; ADRARL1; alpha-2BAR; ALPHA2BAR; FAME2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_000682, the custom clone sequence may differ by one or more nucleotides

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ATGGACCACCAGGACCCCTACTCCGTGCAGGCCACAGCGCCATAGCGGGGCCATCACCTTCTCATTC
TCTTTACCATCTTCGGCAACGCTCTGGTCATCCTGGTGTGTTGACCAGCCGCTCGCTGCGGCCCTCA
GAACCTGTTCTGGTGTCTGGCCGCCGACATCCTGGTGGCCACGCTCATCATCCCTTTCTCGCTG
GCCAACGAGCTGCTGGGCTACTGGTACTCCGGCGCACGTGGTGCAGGTGTACCTGGCGCTCGACGTGC
TCTTCTGCACCTCGTCCATCGTGCACCTGTGCCCATCAGCCTGGACCGCTACTGGCCGTGAGCCGCGC
GCTGGAGTACAACCTCCAAGCGCACCCCGCGCCGATCAAGTGCATCATCCTCACTGTGTGGCTCATGCC
GCCGTCTCTCGCTGCCGCCCTCATCTACAAGGGCGACCAGGGCCCCAGCCGCGGGGCGCCCCCAGT
GCAAGCTCAACCAGGAGGCTGGTACATCCTGGCCTCCAGCATCGGATCTTTCTTTGCTCCTTGCCTCAT
CATGATCCTTGTCTACCTGCGCATCTACCTGATCGCCAAACGCAGCAACCAGAGGTCCCAGGGCCAAG
GGGGGGCTGGGAGGGTGTGAGTCCAAGCAGCCCGACCCGACCATGGTGGGGCTTTGGCCTCAGCCAAAC
TGCCAGCCCTGGCCTCTGTGGCTTCTGCCAGAGAGGTCAACGGACACTCGAAGTCCACTGGGGAGAAGGA
GGAGGGGGAGACCCCTGAAGATACTGGGACCCGGGCTTGCCACCCAGTTGGGCTGCCCTTCCAACTCA
GGCCAGGGCCAGAAGGAGGTGTTTGTGGGGCATCTCCAGAGGATGAAGCTGAAGAGGAGGAAGAGGAGG
AGGAGGAGGAGGAAGAGTGTGAACCCAGGCAGTGCCAGTGTCTCCGGCCTCAGTTGCAGCCCCCGCT
GCAGACCCACAGGGCTCCCGGGTGTGGCCACCCTACGTGGCCAGGTGCTCCTGGCAGGGGCGTGGGT
GCTATAGGTGGGCAAGTGGTGGCTCGACGGGCGCAGCTGACCCGGGAGAAGCGCTTACCTTCGTGCTGG
CTGTGGTCATTGGCGTTTTTGTGCTCTGCTGGTCCCCTTCTTCTCAGCTACAGCCTGGGAGCCATCTG
CCCGAAGCACTGCAAGGTGCCCATGGCCTCTTCCAGTCTTCTTCTGGATCGGCTACTGCAACAGCTCA
CTGAACCTGTTATCTACACCATCTTCAACCAGGACTTCCGCCGTGCCTTCCGGAGGATCCTGTGCCGC
CGTGGACCCAGACGGCCTGGTGA

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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_000682 unedited</p> <pre> CCCCTGTGCAATTTGTATACGACTCATATAGGCGGCCGCGNAATTCGCACGAGGCGAGCT GACGGGCGCAGGTCTCCGCGCCTCCTTTAAGAACCGGCCAGCCCGGCCGCGCCCCCA GAGCGTACGGCATCCGCGTGGCGGGAGGGCGGACTTTCTCCGGTCCCGGGCGGGACGGG GACGGCGCGGGACAACCTGGGAACTTCTCTGGGGCGGACGGCAGGGACCCCGGGCACC GGTGGAGGAGGATGTAGGAGGGCGGCTGCTGGTCTGGGTGTTCCCGACCTCTAGGCC CGCTCGTCCAGGCCATGGGGCTCCAGCGCCCTCGGCGCCGCCAGGGGGCAGCGCTTTG TCTAGCCGAGCCGGCAGCGCTGTCGTCCACGGTGCGCACTGGGCGGGCAGCGCTCCCTC TGCCACCTCCC GCCCGTCATGGACCACCAGGACCCCTACTCCGTGCAGGCCACAGCGG CCATAGCGGCGGCCATCACCTTCCTCATTCTTTTACCATCTTCGGCAACGCTCTGGTCA TCCTGGTGTGTTGACCAGCCGCTCGCTGCGCGCCCTCAGAACCTGTTCTGGTGTGCG TGGCCGCCCGGACATCCTGGTGGCCACGCTCATCATCCCTTTCTCGCTGGCCAACGAGC TGCTGGGCTACTGGTACTTCTGCGCACGTGGTGGCGAGGTGTACCTGGGCGCTCGAGT GCTCTTCTGCACCTCGTCCATCGTGCACCTGTGCGCCATCAGCCTGGACCCTACTTGGG CCCGTGAGCCTCGCGCTGGNAGTACAACCTCAAGCGCACCCCGGGCCGNATCAAGTGCAT CATCTNCATTGGGTGGCTCATCGCCGCGCTCACT </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_000682 unedited</p> <pre> CCCCAATTCGAGTNTGANACCGCGNCCGCTATNCTAGATCGAGTTTTTTTTTTTTTTTTT TTTATTACAAAATATCCTTTATTGATAAAATAGCTCAGAGTTTAAAAAAAAAAAAAAAAACA CCACCTGCATGTCGAATAAGAGGTCACAGGCAAGAACACTGGGGTCCCATGGGGCGCA CACAAAACCGGCCAGCAGAGGGTACAGTCAGTCCCTCTCCTGGCCAGCTCCCCACCAC ATCCCAGGGCGATACTCTGGCCTCAACAACCCACTGAGGACCAAGCTGGGAAGCCTCCCA CACCCCAGGAAGGACTCTTTTTGGTCCCTCCATTCTCTCTACACCCAGAAAACCTCCCTC GGTGCCCTTCAAATCTAGCAGGTCCATCTGGCCATTCCCCGACACCTGCCAAGCTAA GATGCCTACTGGCCCAATGTTGAAGCCAGGCCCTCTCAAAGGGAAGGCCGATAAACCTCC TTTCCACACTTCAAATGTTCTGGGTGCCAGGTTTTGGGGTGGGACTGAGAACCAGGAAG CAGGGGTCTCAATGCACAGCCCATCAGCATTGCGGGGAGCAGCGTGGTGGTCCGAG GCAGTCCACAAGCACCCACCTGGGGGATCAGTTGTGGTTCACAAGGACTCATTTGGGGC TTGGAGACCTGGCCGGGCACTCCAGTGGGAGGCTCCCCTAGGGGGCACCAGGCTCTGAT GCCAGTACCCACCTGGGGGCGCTGCCACCTGTACAGGCTCTCATTTANACTGTTGCC GAGGTGTGGATATTTTGGAGCTGTCTGGGGGAGACAAATTTGCCTCCTTGATGACAAAAGA ATTATCCCCCACTGGGGAGCACCCAGCCCTAAAAACCTTTTGGGGTTGCCGGGGA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_000682
Insert Size:	4000 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:	<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_000682.4 , NP_000673.2
RefSeq Size:	3288 bp
RefSeq ORF:	1353 bp
Locus ID:	151
UniProt ID:	P18089
Cytogenetics:	2q11.2
Protein Families:	Druggable Genome
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	This intronless gene encodes a seven-pass transmembrane protein. This protein is a member of a subfamily of G protein-coupled receptors that regulate neurotransmitter release from sympathetic nerves and from adrenergic neurons in the central nervous system. [provided by RefSeq, Apr 2014]