

## Product datasheet for **SC119760**

### alpha 1d Adrenergic Receptor (ADRA1D) (NM\_000678) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	alpha 1d Adrenergic Receptor (ADRA1D) (NM_000678) Human Untagged Clone
Tag:	Tag Free
Symbol:	alpha 1d Adrenergic Receptor
Synonyms:	ADRA1; ADRA1A; ADRA1R; ALPHA1; DAR; dj779E11.2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_000678 unedited ATCGACAAGNCTTGAATCGGTACCGAGCTCGGATCCACTAGTAACGGCCGCCAGTGTGCT GGAATTCGGCTTTCTGGGGTCTTAATATCGGTCTCCCGTAGGTTGCTGTAGTCGGCCAA TTCGTAGGCCTGGCAGGTGGCGCCCTCGGCCACCTCGTGTGGGACGCCTAGGGACACAGC CTCCACCTCTGAGCGCTGGGCGCACGCTGCCTCTGCGCGCTGCGCGCCCCGGCGCGGAT CTTGTGCGACAGGCTGGAGACTTTGGCGCGCAGCTGGGTGCTGGGTCTCCGGAACGGCCC CAGCAGCTCCACTCGCGGAAGGCGCTGGGTGGCTTTCGACGGCTGGCGACCGGAGCCTG CATCTCGGGCGTGCCTGGGGTTTCGGGGTTCGGGGTTCGGGGAGCGCGGTGAGGGCCAGCGG CGCTCCGGGGGGCGCTGCGCCGAACCTCGGGGCGCAGTCTGTGCGACGCCGCTGGTGGGA TGCCCCCAGTGGTGGCGTGTGACACCCCAAAGAGGGCGCGCGCCCTGGCGACGACGGC GCTGGGTCTGCGCGAGACGGCGGAACGCGCCCTTACGATGCGGCTGGAGCGAGGGATG GCGCGCGTGTGACGCCTGCTGTCTCGGTAGCAGGCGCCGCGCAGACGGCCCTTGCCGGG CGCACTCGTCCCGCTGCCGTCTCGCGGGACTGCGGGCGCGCTATTGTGTCCGTTGT TAGCCGCGCTGTCCGGTCCGATTGCCGATCAGCGCGCTCGCTCTCGTAGGTGGCGGAGT GTCGCCGCTATATTTTTACTGGGCAGGGGTGTTGCGTTCGGGCCGATCCACCCCGCT CGTCGCG
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_000678
<b>Insert Size:</b>	2000 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_000678.2</a></u> , <u><a href="#">NP_000669.1</a></u>
<b>RefSeq Size:</b>	2130 bp
<b>RefSeq ORF:</b>	1719 bp
<b>Locus ID:</b>	146
<b>UniProt ID:</b>	<u><a href="#">P25100</a></u>
<b>Cytogenetics:</b>	20p13
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Protein Pathways:</b>	Calcium signaling pathway, Neuroactive ligand-receptor interaction, Vascular smooth muscle contraction

**Gene Summary:**

Alpha-1-adrenergic receptors (alpha-1-ARs) are members of the G protein-coupled receptor superfamily. They activate mitogenic responses and regulate growth and proliferation of many cells. There are 3 alpha-1-AR subtypes: alpha-1A, -1B and -1D, all of which signal through the Gq/11 family of G-proteins and different subtypes show different patterns of activation. This gene encodes alpha-1D-adrenergic receptor. Similar to alpha-1B-adrenergic receptor gene, this gene comprises 2 exons and a single intron that interrupts the coding region. [provided by RefSeq, Jul 2008]