

Product datasheet for SC125334

APJ Receptor (APLNR) (NM_005161) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	APJ Receptor (APLNR) (NM_005161) Human Untagged Clone
Tag:	Tag Free
Symbol:	APJ Receptor
Synonyms:	AGTRL1; APJ; APJR; HG11
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC125334 sequence for NM_005161 edited (data generated by NextGen Sequencing)

```

ATGGAGGAAGGTGGTGTATTTTGACAACACTATGGGGCAGACAACCAGTCTGAGTGTGAG
TACACAGACTGGAAATCCTCGGGGGCCCTCATCCCTGCCATCTACATGTTGGTCTTCCTC
CTGGGCACCACGGGAAACGGTCTGGTGCTCTGGACCGTGTTCGGAGCAGCCGGGAGAAG
AGGCGCTCAGCTGATATCTTCATTGCTAGCCTGGCGGTGGCTGACCTGACCTTCGTGGT
ACGCTGCCCTGTGGGTACCTACACGTACCGGGACTATGACTGGCCCTTTGGGACCTTC
TTCTGCAAGCTCAGCAGCTACCTCATCTTCGTCAACATGTACGCCAGCGTCTTCTGCCTC
ACCGCCCTCAGCTTCGACCGCTACCTGGCCATCGTGAGGCCAGTGGCCAATGCTCGGCTG
AGGCTGCGGGTCAGCGGGCCGTGGCCACGGCAGTTCTTTGGGTGCTGGCCGCCCTCCTG
GCCATGCCTGTGATGGTGTACGCACCACCGGGACTTGGAGAACCACCTAAGGTGCAG
TGCTACATGGACTACTCCATGGTGGCCACTGTGAGCTCAGAGTGGGCCTGGGAGGTGGGC
CTTGGGGTCTCGTCCACCACCGTGGGCTTTGTGGTGCCCTTACCATCATGCTGACCTGT
TACTTCTTCATCGCCAAACCATCGCTGGCCACTTCCGCAAGGAACGCATCGAGGGCCTG
CGGAAGCGGGCCGGCTGCTCAGCATCATCGTGGTGTGGTGGTGGTGGTGGTGGTGGTGGT
TGGATGCCCTACCACCTGGTGAAGACGCTGTACATGCTGGGCAGCCTGCTGCACTGGCCC
TGTGACTTTGACCTCTTCTCATGAACATCTTCCCCTACTGCACCTGCATCAGCTACGTC
AACAGTCGCCTCAACCCCTTCTCTATGCCTTTTCGACCCCGCTTCCGCCAGGCCTGC
ACCTCCATGCTGCTGTGGCCAGAGCAGGTGCGCAGGCACCTCCACAGCAGCAGTGGG
GAGAAAGTCAGCCAGCTACTCTTCGGGGCACAGCCAGGGGCCCGCCCAACATGGGCAAG
GGTGGAGAACAGATGCACGAGAAATCCATCCCCTACAGCCAGGAGACCCTTGTGGTTGAC
TAG

```

Clone variation with respect to NM_005161.4
135 c=>a



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_005161 unedited AATACGACTCACTATAGGGCGGCCGGAATTCGGCTTAGCATGGAGGAAGGTGGTGATTT TGACAACTACTATGGGGCAGACAACCAGTCTGAGTGTGAGTACACAGACTGGAAATCCTC GGGGGCCCTCATCCCTGCCATCTACATGTTGGTCTTCTCCTGGGCACCACGGGAAACGG TCTGGTGTCTGGACCGTGTTCGGAGCAGCCGGGAGAAGAGGCGCTCAGCTGATATCTT CATTGCTAGCCTGGCGGTGGCTGACCTGACCTTCGTGGTGACGCTGCCCTGTGGGCTAC CTACACGTACCGGACTATGACTGGCCCTTTGGGACCTTCTTCTGCAAGCTCAGCAGCTA CCTCATCTTCGTCAACATGTACGCCAGCGTCTTCTGCCTCACCGCCTCAGCTTCGACCG CTACCTGGCCATCGTGAGGCCAGTGCCCAATGCTCGGCTGAGGCTGCGGGTCAGCGGGGC CGTGGCCACGGCAGTTCTTTGGGTGCTGGCCGCCCTCCTGGCCATGCCTGTATGGTGTT ACGCACCACCGGGACTTTGAGGACACCAACTAAGTGCAATGCTTCATGGACTTACTCAT GGTGGCCACTGTGAGCTAAAGTGGGCCTGGGAGGTGGGCCCTGGGGTCTTGCCACCAC CGTGGGCTTTGGTGCCTTCAACATCATGCTGACCTGGTACCTCTTCATCGCCCAAC CATTGTTGCCACTCCGGCAGGAACCCAT
Restriction Sites:	Please inquire
ACCN:	NM_005161
Insert Size:	1200 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_005161.2 , NP_005152.1
RefSeq Size:	1833 bp
RefSeq ORF:	1143 bp
Locus ID:	187
UniProt ID:	P35414
Cytogenetics:	11q12.1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction

Gene Summary:

This gene encodes a member of the G protein-coupled receptor gene family. The encoded protein is related to the angiotensin receptor, but is actually an apelin receptor that inhibits adenylate cyclase activity and plays a counter-regulatory role against the pressure action of angiotensin II by exerting hypertensive effect. It functions in the cardiovascular and central nervous systems, in glucose metabolism, in embryonic and tumor angiogenesis and as a human immunodeficiency virus (HIV-1) coreceptor. Two transcript variants resulting from alternative splicing have been identified. [provided by RefSeq, Jul 2009]

Transcript Variant: This variant (1) represents the longer transcript and encodes the functional protein.