

## Product datasheet for **SC209297**

### beta Arrestin 1 (ARRB1) (NM\_004041) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	beta Arrestin 1 (ARRB1) (NM_004041) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ARRB1
Synonyms:	ARB1; ARR1
ACCN:	NM_004041
Insert Size:	2000 bp



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**Insert Sequence:** >SC209297 3'UTR clone of NM\_004041  
 The sequence shown below is from the reference sequence of NM\_004041. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ACCGGCTCTCCACAGCTCAACAACAGATAGACGGGCCGGCCCTGCCTCCACGTGGCTCCGGTCCACTC
TCGTGCACTCGGATGCTTACTCGTCTTCTTCTGTTCTGGTTTCTTTCCCTTTGTTCTTCCAGTTTC
TACCAGGGGGCCCGTGGGCTTCCAGATCACGGTATGAACTCTGGCCTCAGGATTGGCCCCACATCA
CCACGCCAACAGGACCACAGCGCACTGGCTCCACCCCATCTCTGCCATCTCCACTCCCCTCTTTTCAT
GCTGTCTCCAGAAAAGCTGCCAGGGCTCTGGCCTTGAATTGGACTTGAGATGGGGAGCAGACAGGGG
AGGATGGGAATGTGGACACGGTGTGGTGGGCATGAGGGCTTGGAGGGTGGGGATGAGGGCTCAAGA
CACGAGAGAAGATGTCCACGGTCCAGGTGTTAACAAAGTTCTGGCAGCTAAAAGATGACCGGTTGA
AGGCCACCTCCTTCTGGCTGGGAGGGGCGAAGTGTGGACAGATTCTCAATGCCTTTTGAAGTTCTGA
CCACCAAAGACCTTCTGCCTTACCCTCTCCACCTGATGTCCCTCTGTGTCTGATAGTGATGTTG
GTGAAAGTTCGTAGACCCAGGAGTAGAGAAAAGCAACTGGACTGACTTTCTTACCAGCAGTTACCTAG
ACTGAGGCAAGCTGTGTGGACTCACCAAGTATATTTCACTACTGTGACGCTGTGACATCTTAGCTACC
TTGATTTCAAGTGATGGCCCTGTCTAGAGATATGCACAGAGAGAAAAGCAGAGGGAGGGAGGGAGGG
GGTCTTCAGCAAGCACCAGCCCCAGCAGAGTGAGCTGAAGCTCCTGAGGAGGGTTCGGAAGGGGGGC
GCTCAGAGATGGGGCAGGGGGCGGGGAGAGGAGAGTCTGCCTTATGTCCTTCTTGTGGACTTCACA
TGGTCATGCAGGAAGTGAGGATGGGTGTCCAGCGGGGGCCGAGGCCACTAGTATCCTCCTGCTTCCCC
TGCCATTCTCCAGGGCTGGACTGACCCTATGGACTGGGAGAGAGTGCCTGAGGCCACCATGCCACAGTC
AAAGGGGTCTCTATCTCAGAAGGTGGCAGCATCCACTGAGATATCCTCACCCGAAGGGAAGGAGGCTGC
TGGGTAGCAAATAAGCCCTTCTTTTCTTGGTGTGATGACCTCCAATAGCTCCAGTGTGATGGGT
ACCCAGTACGATTAGCTGGTGTGGGTTGATTGAGACCTGGGGCAGTTCCTGGGGCAAGAAGCCAGAT
GGGAGATGAGATAGAAAGTGTAGGAGTTATCCTCTTTGCCTGGCCTTTGAGAATAAATTACTGTGTGA
CTTTGGGCAAGTTCCTTCCCACTCTGGGCCTCAGTTTCTCACTTGGGAAAGCAAGGAGTTTGACCAGA
TGATCACAATGGGCTTCTAGCTCTGGCCACCAAGAATTTGTGAACATTAGAGCTCCTGGTCTGGTGG
GTAGAGCCAGAGCTGCTGACTGGTCTCTCTGCCTCCAGAGGGGATTTATTGGACCTCAGAGGTGGCAGG
GCCCTATGGAGCACCAACTGCCCTCAACCCACCTGTGCCAAGACTGGGAAGGATTGATGTCAGGC
TGTGGCCATAGGTAGCATGAGTTGCCCAAGGAGGACAGAGCATATCTTTGCTGAGGCTTGCTGAGGG
GCTTATGATAGGGCTTGAGTACCTCACAGCCCCCTGTGGGCACAGACACCTGAGGTTTACCCAGGCA
AATATATTGATTAGCAGGACAAGGGCTCTCTCCTCAGTTTCTGCTCCCTTCCATCTCTCTCCCACTT
GTCTGAAAAGGGAGACAAAAATCTTATACAAGTGGCATCTCAATCCTTTCCAGTCCAGCACCTCCTGG
GGCAGGCAGTGTGACTTATTTCTGTGGTGAATCACCTGTTTCAAGCCTGGCAGCGCGACTTCTG
ACGCGT AAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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**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).

**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\\_004041.5](#)

**Summary:**

Members of arrestin/beta-arrestin protein family are thought to participate in agonist-mediated desensitization of G-protein-coupled receptors and cause specific dampening of cellular responses to stimuli such as hormones, neurotransmitters, or sensory signals. Arrestin beta 1 is a cytosolic protein and acts as a cofactor in the beta-adrenergic receptor kinase (BARK) mediated desensitization of beta-adrenergic receptors. Besides the central nervous system, it is expressed at high levels in peripheral blood leukocytes, and thus the BARK/beta-arrestin system is believed to play a major role in regulating receptor-mediated immune functions. Alternatively spliced transcripts encoding different isoforms of arrestin beta 1 have been described. [provided by RefSeq, Jan 2011]

**Locus ID:**

408

**MW:**

72.1