

## Product datasheet for **SC205874**

### Androgen Receptor (AR) (NM\_001011645) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Androgen Receptor (AR) (NM_001011645) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	AR
Synonyms:	AIS; AR8; DHTR; HUMARA; HYSY1; KD; NR3C4; SBMA; SMAX1; TFM
ACCN:	NM_001011645
Insert Size:	2000 bp



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**Insert Sequence:** >SC205874 3'UTR clone of NM\_001011645  
 The sequence shown below is from the reference sequence of NM\_001011645. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GTCAAGCCCATCTATTTCCACACCCAGTGAAGCATTGGAAACCCTATTTCCCACCCAGCTCATGCC
CCTTTTCAGATGTCTTCTGCCTGTATAACTCTGCACTACTCTCTGCAGTGCCTTGGGGAATTTCTCT
ATTGATGTACAGTCTGTCATGAACATGTTCTGAATTCTATTTGCTGGGCTTTTTTTTTCTCTTTCTCT
CCTTTCTTTTTCTTTCCCTCCCTATCTAACCTCCCATGGCACCTTCAGACTTTGCTTCCATTGTG
GCTCCTATCTGTGTTTTGAATGGTGTGTATGCCTTTAAATCTGTGATGATCCTCATATGGCCAGTGT
CAAGTTGTGCTTGTACAGCACTACTGTGCCAGCCACACAAACGTTTACTTATCTTATGCCACGGG
AAGTTTAGAGAGTAAGATTATCTGGGAAATCAAAAACAAAAACAAGCAAAACAAAAAAGCAAAA
ACAAAACAAAAAATAAGCCAAAAACCTTGTAGTGTTTTTCTCAAAAATAAATAAATAAATAAATA
AATACGTACATACATACACATACATACAAACATATAGAAATCCCAAAGAGGCCAATAGTGACGAGA
AGGTGAAAATTGCAGGCCATGGGGAGTTACTGATTTTTTCATCTCCTCCCTCCACGGGAGACTTTATT
TTCTGCCAATGGCTATTGCCATTAGAGGGCAGAGTGACCCAGAGCTGAGTTGGGCAGGGGGGTGGACA
GAGAGGAGAGGACAAGGAGGGCAATGGAGCATCAGTACCTGCCACAGCCTTGGTCCCTGGGGGCTAGA
CTGCTCAACTGTGGAGCAATTCATTATACTGAAAATGTGCTTGTGTTGAAAATTTGCTGCATGTTAA
TGCTCACCCCAAAACCTTTTCTCTCACTCTCTGCCTCCAATTTCAGATTGACTTTCAATAGTTTT
TCTAAGACCTTTGAACTGAATGTTCTCTCAGCCAAAACCTGGCGACTCCACAGAAAAGTCTGACCAC
TGAGAAGAAGGAGAGCAGAGATTTAACCTTTGTAAGGCCCATTTGGATCCAGGTCTGCTTTCTCATG
TGTGAGTCAGGGAGGAGCTGGAGCCAGAGGAGAAGAAAATGATAGCTTGGCTGTTCTCCTGCTTAGGAC
ACTGACTGAATAGTTAACTCTCACTGCCACTACCTTTTCCCACCTTTAAAAGACCTGAATGAAGTTT
TCTGCCAAACTCCGTGAAGCCACAAGCACCTTATGTCCTCCCTCAGTGTGTTGTGGCCTGAATTTCA
TCACACTGCATTTAGCCATGGTCATCAAGCCTGTTTGTCTTTTGGGCATGTTACAGATTCTCTGT
TAAGAGCCCCACCACCAAGAAGGTTAGCAGGCCAACAGCTCTGACATCTATCTGTAGATGCCAGTAGT
CACAAAGATTTCTTACCAACTCTCAGATCGCTGGAGCCCTTAGACAACTGGAAAGAAGGCATCAAAGG
GATCAGGCAAGCTGGGCGTCTTGCCCTGTCCCCAGAGATGATACCCTCCAGCAAGTGGAGAAGTTC
TCACTTCTCTTTAGAGCAGCTAAAGGGCTACCCAGATCAGGGTTGAAAGAGAAAACCAATTACCAG
GGTGGGAAGAATGAAGGCACTAGAACCAGAAACCTGCAATGCTCTTCTTGTCAACCAGCATATCCAC
CTGCAGAAGTCATGAGAAGAGAGAAGGAACAAAGAGGAGACTCTGACTACTGAATTTAAATCTTACGG
GCAAAGCCTAAAGCCAGATGGACACCATCTGGTGAGTTTACTCATCATCCTCTGCTGCTGATTCTG
GGCTCTGACATTGCCATACTCACTCAGATTCCCACCTTTGTTGCTGCCTTTAGTCAGAGGGAGGCC
AAACCATTGAGACTTTCTACAGAACCATGGCTTCTTTCGAAAGGTCTGGTTGGTGTGGCTCCAATAC
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
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\\_001011645.3](#)

**Summary:**

The androgen receptor gene is more than 90 kb long and codes for a protein that has 3 major functional domains: the N-terminal domain, DNA-binding domain, and androgen-binding domain. The protein functions as a steroid-hormone activated transcription factor. Upon binding the hormone ligand, the receptor dissociates from accessory proteins, translocates into the nucleus, dimerizes, and then stimulates transcription of androgen responsive genes. This gene contains 2 polymorphic trinucleotide repeat segments that encode polyglutamine and polyglycine tracts in the N-terminal transactivation domain of its protein. Expansion of the polyglutamine tract from the normal 9-34 repeats to the pathogenic 38-62 repeats causes spinal bulbar muscular atrophy (SBMA, also known as Kennedy's disease). Mutations in this gene are also associated with complete androgen insensitivity (CAIS). Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2017]

**Locus ID:**

367

**MW:**

75.4