

## Product datasheet for **SC215772**

### **AKR1D1 (NM\_005989) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	AKR1D1 (NM_005989) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	AKR1D1
Synonyms:	3o5bred; CBAS2; SRD5B1
ACCN:	NM_005989
Insert Size:	1673 bp



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**Insert Sequence:** >SC215772 3'UTR clone of NM\_005989  
 The sequence shown below is from the reference sequence of NM\_005989. 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
CCTGAATACCCATTTTCATGATGAATACTGACTGCAGGGAGTTCCTGAACAGATTTTTCACTCCCACGAG
TGCCAAGACGGTGAATGGGTAGTCCCCTAGATGTGAAAATGAAGAGAGAGGGTTTTACCATCCTGAGA
AGAAAATATGATGAAACATGTTAATGTTGTGCAAGTAAATGACTTTGACTCAGTCACATTGAAGT
AAAAATATTTAAATCTGTTGAAATAACTCTTAGGAAATTATCAACTAATTTTTTCAGATCAGTATCTTC
TAGATTCCAGACAGAAAAAATTACACTTCAGAAAAGACATCAAAGGCAACATATGACAACAAGTAATT
TATGAATCTGGGTAGTAGCGTTGGTAATCTGAGTCTTTAAGGGTTAACAGGACAACGAAGTGCATGTG
GCAGTGTGCTGGCAGTGGCCTTGAGGCTTTGGACCATTGGTTACAAAACAGACACAGCCAAGATAAGAT
CCACACACACATTATTAACAAGGAAGTGAATTTGCTGCACCTTGAGTTGAGAGGGCTACATGTAGAAAAG
TCTTAAAATAGAGCTAAACACCACAGTGGTCAACAAAGCCATCATAATGTTGGTGTGTTTCCCTCCA
ATGTATGTATGTTTAGTTTTATCCAACCTGAGGAATGAAAACCTAACTGGATCTCTCTGCATCCTTA
AAGGGCCTGAGTCTCAACATGGCTGCTGATCCATACTTACACATCTTACTGTCAATCTTGCCCTACATTG
ATTATAGAACCCTATTACGTGAAAAGGCTTGAAACAACCAACATATACAAATAAAACCCTGCCTTGTA
AAATAGTAAAAGAGAAGCCATATATTGGCTTTTCTTCTTAACTTTGGGAGATATATTGAAACAAGGTGCT
TTATAAGATTATTGTAAGACTTTAATAGTGTACTTGGATAGCTTATATGAATTTTGAGAATTTT
ATATGAATTTTGAGAAAGCAAGTTCAAAAGAAGTCTGGTAATTTTCTGTATGTACAATTTAAAGAGTG
AATAAGATTATTAGAATTCAGCAATAGAGATATATCTATTTTCAATTCAACTACAGAAATATATTTTAT
TGGCCGGGTGCGGTGGCTCATGCCTATAATCCCAGCACTTTGGGAGGCCAAGGTGGGCAGATCAGGAGG
TCAGGAGATCGAGACCATCTGGCTAACAAAGGTGAAACCCCGTCTCTACTAAAAATACAAAAAATTAGC
CAGGCGCGGTGGCGGGGCTGTAATCCAGCTACTCAGGAGGCTGAGGCAGAAGTGGCATGAACCC
GGGAGGAGGAGCTTGCAAGTGAAGCCAGATAGCGCCACTGCAGTCCGGCCTGGGTGAAAGAGCGAGACTC
CGTCTCAAAAACAAAAAAGAAAAGAAATATATTTTATTTCATTACATTAGGTCAGTGCATACTG
TCATAGGATGAGAGATTCTTCAAAAATATGTTTTCCCAAGATCAGTTGCTTATAGATAATGTTCAAT
GACCTCAAGACATATATTTTGGAGAAATATCATTTTAAAAAATTTGGTCTATACTGATTGTTTCTACT
GATTCCAATATTACTTATAACTGACCTCTGAAAAATATTTGTTTACAAGAAATAATAAAGTAT
AATGATTTGTTGCATCA
ACGCGTAAAGCGGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

**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\\_005989.4](#)

**Summary:** The enzyme encoded by this gene is responsible for the catalysis of the 5-beta-reduction of bile acid intermediates and steroid hormones carrying a delta(4)-3-one structure. Deficiency of this enzyme may contribute to hepatic dysfunction. Three transcript variants encoding different isoforms have been found for this gene. Other variants may be present, but their full-length natures have not been determined yet. [provided by RefSeq, Jul 2010]

**Locus ID:** 6718

**MW:** 64.7