

## Product datasheet for **SC202044**

### **AKR1C4 (NM\_001818) Human 3' UTR Clone**

#### Product data:

Product Type:	3' UTR Clones
Product Name:	AKR1C4 (NM_001818) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	AKR1C4
Synonyms:	3-alpha-HSD; C11; CDR; CHDR; DD-4; DD4; HAKRA
ACCN:	NM_001818
Insert Size:	203 bp
Insert Sequence:	>SC202044 3' UTR clone of NM_001818 The sequence shown below is from the reference sequence of NM_001818. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Red</b> =Cloning site <b>Blue</b> =Stop Codon

CAATTGGCAGAGCTCAGAATTCA**GCGATCGC**

ATGGACCATCCTGATTATCCATTTTCAGATGAATATT**AG**CATAGAGGGTGTTCACGACATCTAGCAGAA  
GGCCCTGTGTGGATGGTATGCAGAGGATGTCTCTATGCTGGTACTGGACACACAGCCTCTGGTTAA  
ATCCCTCCCCTCTGCTTGGCAACTTCAGCTAGCTAGATATCCATGGTCCAGAAAGCAAAC

**ACGCGT**AAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCG

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:	<u><a href="#">NM_001818.2</a></u>



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**Summary:**

This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. These enzymes catalyze the conversion of aldehydes and ketones to their corresponding alcohols by utilizing NADH and/or NADPH as cofactors. The enzymes display overlapping but distinct substrate specificity. This enzyme catalyzes the bioreduction of chlordecone, a toxic organochlorine pesticide, to chlordecone alcohol in liver. This gene shares high sequence identity with three other gene members and is clustered with those three genes at chromosome 10p15-p14. [provided by RefSeq, Jul 2008]

**Locus ID:**

1109