

Product datasheet for **SC202733**

AKR1C1 (NM_001353) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	AKR1C1 (NM_001353) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	AKR1C1
Synonyms:	2-ALPHA-HSD; 20-ALPHA-HSD; C9; DD1; DD1/DD2; DDH; DDH1; H-37; HAKRC; HBAB; MBAB
ACCN:	NM_001353
Insert Size:	2000 bp



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Insert Sequence: >SC202733 3'UTR clone of NM_001353
 The sequence shown below is from the reference sequence of NM_001353. 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
CCTAATTATCCATTTTCTGATGAATATTAACATGGAGGGCATTGCATGAGGTCTGCCAGAAGGCCCTGC
GTGTGGATGGTGACACAGAGGATGGCTCTATGCTGGTACTGGACACATCGCCTCTGGTTAAATCTCTC
CTGCTTGGTGATTTACAGCAAGCTACAGCAAAGCCATTGGCCAGAAAGGAAAGACAATAATTTGTGTTT
TTCATTTTAAAAAATTAATGCTCTCTCTAAAGATTCTTACCTACTTTGGTCTCCATAAATTCTAT
GTTTTCTTCTCTGACACACTAGTCCCCTAAATTGTGATTTGCCTATACGTTTAGGGCCGGGTTG
GAAGATGTTAACCAACATTTAAGATTCATTTCTGCAGTGGGAGTGGTGGAGTTTACCCTCTGGGAAA
GGGGCAGGTGACAGGATTTATCAGTCAGTGCCTCTAGCTCTGTAGGAAGAAGCACACGCAGGATG
GAGTCTAGAGGATGAGCGATATTGACTAGCAATTCATGGGCTCCCTCCAGCAGTGGCAGGGTCCAGAGTT
TCTGGAGCCTTGGGAGGAGGCATCCCTGTGAGGGGGGTTAGGGAGATGGGAGGGCACCAGGAAAAGTG
ATTAGAAGTCAGGTATGGGAAGGCTAAATAGGACAGAGTCGAGTACATCTCTGCTTGGAAAAACATATC
AACACCCTTTTTTTTGAACATTATATCTTGCTCATAAAAGAAAACCTTTCCACATTGTTTTAACAAACCC
CACAGCTGAGAGTCAGGCCTGAATCTTTGATGTGTGCCATTCAACCGTTGACCCTATTGGTTTGTGG
TGGGGCAGGGCATCAAAGACATCATTGACTAATCACAATCCCCTGAATAGCTCATATTTAGAAAATATT
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CATAGTTACAAAATATAAAACAAAAATATCCCAAAGCCATTATGCATGGCACTCAAGATTAATAATGGGAA
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CACACTGGTTTCAAACCTTTGGTAAATTTAAGAACAACCTTTACAAAGGCATTTAATTCTTATACATAA
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TATGTTCTAACACATTTACTCTCCACTATTCGTAATCTGGTAGCCATGTTAACCCCATCAGAGATTCCT
TCTCAAGCCATGTCTCAGAGCTGAGAGGCATCCCAGCAAGTTTTGCAGCTCACAGTTTTTTCCGTAAT
TACTTATTCTATAAAATGGAGTAGGCCATAAACTTTGGAGGGCCCTAGACCAATTTTTTGGATTATTT
TTCGTCTTCTATCATTCCGCTGATCTTAGATATCTCTGCATTAATATTAATATCACTTCTAGGCTG
AAAAATCCCCTAAAAATATTTCTAGCTCAGATTTTTCTCCAAATCTGCAATAGAAGATCACAATGT
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AAACCATGGCCATCCTGTTCTACCTAACTTTCTGAGTCTATGGAATGATAATTTACATCTCATAAAC
TTGACTGATGTAAGTGTCAAGAAAAGATTGACATTTTGTAAAAGTTAGTAGTGAAGTGTGTAACGCTT
AAGCAAATTTTCAATTTCAAATCTCTTTAGCAAGTGAATCTTTTTTCAAGATGTGAAATAATCATT
AGGTGAGTCAATTTGTAATAGTACATCTGCTATGGACTTTTTCCAGTTCTTACCATCCATTTTTATA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
  
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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_001353.6](#)

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 reaction of progesterone to the inactive form 20-alpha-hydroxy-progesterone. 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: 1645

MW: 75.9