

Product datasheet for **SC203869**

AKR1C2 (NM_205845) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	AKR1C2 (NM_205845) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	AKR1C2
Synonyms:	AKR1C-pseudo; BABP; DD; DD-2; DD/BABP; DD2; DDH2; HAKRD; HBAB; MCDR2; SRXY8; TDD
ACCN:	NM_205845
Insert Size:	2000 bp



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Insert Sequence:

>SC203869 3'UTR clone of NM_205845

The sequence shown below is from the reference sequence of NM_205845. 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
GTGTGGATGTTGACACAGAGGATGGCTCTATGCTGGTACTGGACACATCGCCTCTGGTTAAATCTCTC
CTGCTTGGCGACTTCAGTAAGCTACAGCTAAGCCCATCGGCCGAAAAGAAAACAATAATTTTGTTTT
TCATTTTGAATAAATAAATGCTCTCTCCTAAAGATTCTTACCTACTTTGGTCTCCATAACTTCTATG
TTTTCTCTCTTCTGACACACTAGTGCCCCAAATTTGTGATTTGCCTATACGTTTAGGGCCGGGTTGG
AAGATGTTAAACAACCATTAAGATTCATTTCTGCAGTGGGAGTGGGTGGAGTTTCACCCTCTGGAAAG
GGGCAGGTGACAGGTATTTATCAGTCAGTGCCTCTCTAGCTCTTGTAGGAAGAAGCACACGAGGATGG
AGTCTAGAGGATGAGCGATATTGACTAGCAATTCATGGGCTCCCTCCAGCAGTGCAGGGTCAGAGTTT
CTGGAGCCTTGGGAGGAGGCATCCCTGTGAGGGGGGTTAGGGAGATGGGAGGGCACAGAAAAGTGA
TTAGAAGTCAGGTATGGGAAGGCTAAATAGGACAGAGTCGAGTACATCTCTGCTTGGAAAAACATATCA
ACACCCTTTTTTGTATCATTATATCTTGTTCATAAAAAGAAAACCTTCCACATTGTTTTAACAAACCC
ACAGCTGAGAGTCAGGCCTGAATCTTTGATGTGTGCCATTACAAACGTTGACCCATTGGTTTTGGT
GGGGCAGGACATCGAAGATATCATTGACTCATCACATCCCTGAATAGCTCATATTTAGAAAATATTC
TTAGATTGTAATAAATGTACTGTTTATATGCAATCTTTAAATGTTTTACTTTAAACAAGG
CATAGTTACAAGTATAAAACATAAATATCCCAAAGCCATTATGCATGGCACTCAAGATTAATGGGAA
ATAATACATCTAATAAATCAAATGTTCCAAGACTTCAAATGTCTTTTGGAAACAGGCTATGTAACAG
CACACTGGTTTTCAAACCTTGGTAAATTTAAGAAGAACTTTACAAAGGCATTTAATCTTATACATAA
TTTTCAGGGGAACATAATCAAATCAGTAATCATGAAGACATGATTTTCGTTTTAGAAAACACTTTTGAA
AACTTGGGATAATCTCATGTCTTAATGATCAAAGCATTATGAGAAGGACAGTGGTTTTTACCTGGGCA
CACTTTCTAACACATTTACTCTCCACTATTCGTAATCTCTGGTAGCCATGTTAACCCCATCAGAGATTCCT
TCTCAAGCCATGTCTCAGAGCTGATAGGCATCCAGCAAGTTTTGCAGCTCACAATTTTTCTGTAATTT
ACTTATTTCTATAAAATTTGAAGAGGCCATAAACTTTGGAGGGCCCTAGACCAATTTTTGGATTATTTT
TGGTCTACTCTCATTCCGTTGATGATCTTAGATATTCTCTGCATTAATATCACCTTAGGCTGAGAAA
TCCACCAAAAAATTTTCTAGCTCAGCGTTTTCTCCTCAAATCTTCAATGGAAGATCATAATGTGAACCTC
TGCATCTCCATGTTAAAGTTAATGAGCATTACACTTAGCATGTCTCAAAGAAATCTCATGTAAACCA
TGCCATCCTGTTCTACCTTAACTTTCTGAGTCTATGGAATGATAATTTACATCTCATAAACTTGACT
GATGTAAGTGTCAAGAAAAGATTGACATTTTGTAAAACCTTCGTAGCCAAGTGTGTAACGCTTAAGCAG
ACTTTTCATATTTCAAATCTCTATAGCACGTGTAACCTTTTTTCAAGATGTGAAATAATCATTAGGTCA
GTCATTTGTAATAGTACGGCTGCTGTGGGCTTTTTCCAGTCTTCCACCTCCATTTTTATAAACTC
ACGCGT AAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
    
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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_205845.3](#)

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 using NADH and/or NADPH as cofactors. The enzymes display overlapping but distinct substrate specificity. This enzyme binds bile acid with high affinity, and shows minimal 3-alpha-hydroxysteroid dehydrogenase activity. This gene shares high sequence identity with three other gene members and is clustered with those three genes at chromosome 10p15-p14. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]

Locus ID:

1646

MW:

76.6