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Product datasheet for SC205264

AKR1B1 (NM_001628) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Product Name: AKR1B1 (NM_001628) Human 3' UTR Clone

Vector: pMirTarget (PS100062)

Symbol: AKR1B1

Synonyms: ADR; ALDR1; ALR2; AR

ACCN: NM_001628

Insert Size: 402 bp

Insert Sequence:

>SC205264 3'UTR clone of NM_001628
The sequence shown below is from the reference sequence of NM_001628. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AAGGATTACCCCTTCCATGAAGAGTTTTGAAGCTGTGGTTGCCTGCTCGTCCCCAAGTGACCTATACCT
GTGTTTCTTGCCTCATTTTTTTCCTTGCAAATGTAGTATGGCCTGTGTCACTCAGCAGTGGGACAGCAA
CCTGTAGAGTGGCCAGCGAGGGCGTGTCTAGCTTGATGTTGGATCTCAAGAGCCCTGTCAGTAGAGTAG
AAGTCTCTTCCAGTTTGCTTTGCCCTTCTTTCTACCCTGCTGGGGAAAGTACAACCTGAATACCCTTTT
CTGACCAAAGAGAAGCAAAATCTACCAGGTCAAAATAGTGCCACTAACGGTTGAGTTTTGACTGCTTGG
AACTGGAATCCTTTCAGCAAGACTTCTCTTTGCCTCAAATAAAAAGTGCTTTTGTGA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

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_001628.4

View online »

Summary: This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. This member catalyzes the reduction of a number of aldehydes, including the aldehyde form of glucose, and is thereby implicated in the development of diabetic complications by catalyzing the reduction of glucose to sorbitol. Multiple pseudogenes have been identified for this gene. The nomenclature system used by the HUGO Gene Nomenclature Committee to define human aldo-keto reductase family members is known to differ from that used by the Mouse Genome Informatics database. [provided by RefSeq, Feb 2009]

Locus ID: 231

MW: 14.9