

Product datasheet for **SC329650**

AKR1A1 (NM_001202414) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: AKR1A1 (NM_001202414) Human Untagged Clone
Tag: Tag Free
Symbol: AKR1A1
Synonyms: ALDR1; ALR; ARM; DD3; HEL-S-6
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC329650 representing NM_001202414.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

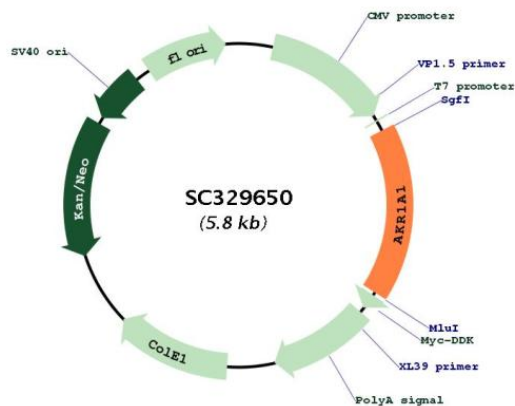
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GCTGCTATCTACGGCAATGAGCCTGAGATTGGGGAGGCCCTGAAGGAGGACGTGGGACCAGGCAAGGCG
GTGCCTCGGGAGGAGCTGTTTGTGACATCCAAGCTGTGGAACACCAAGCACCACCCGAGGATGTGGAG
CCTGCCCTCCGGAAGACTCTGGCTGACCTCCAGCTGGAGTATCTGGACCTGTACCTGATGCACTGGCCT
TATGCCTTTGAGCGGGGAGACAACCCCTTCCCCAAGAATGCTGATGGGACTATATGCTACGACTCCACC
CACTACAAGGAGACTTGAAGGCTCTGGAGGCACTGGTGGCTAAGGGGCTGGTGCAGGCGCTGGGCCTG
TCCAACCTCAACAGTCGGCAGATTGATGACATACTCAGTGTGGCCTCCGTGCGTCCAGCTGTCTTGCA
GTGGAATGCCACCCATACTTGGCTCAAAATGAGCTAATTGCCCAAGCAGTGGCCTGGAGGTA
ACTGCTTAGCCCTTTGGGCTCCTCTGATCGTGCATGGCGTGATCTGATGAGCCTGTCCTGCTGGAG
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GACCCGTACTGA
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001202414

Insert Size: 978 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001202414.1](#)

RefSeq Size:	1508 bp
RefSeq ORF:	978 bp
Locus ID:	10327
UniProt ID:	P14550
Cytogenetics:	1p34.1
Protein Families:	Druggable Genome
Protein Pathways:	Glycerolipid metabolism, Glycolysis / Gluconeogenesis, Metabolic pathways
MW:	36.6 kDa
Gene Summary:	<p>This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. This member, also known as aldehyde reductase, is involved in the reduction of biogenic and xenobiotic aldehydes and is present in virtually every tissue. Multiple alternatively spliced transcript variants of this gene exist, all encoding the same protein. [provided by RefSeq, Jan 2011]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR, compared to variant 1. All variants encode the same protein.</p>