

Product datasheet for RN201056

Akr1b1 (NM_012498) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Akr1b1 (NM_012498) Rat Untagged Clone
Tag: Tag Free
Symbol: Akr1b1
Synonyms: Akr1b3; Akr1b4; Aldr1; ALDRED; Alr; ALR-P-I; RATALDRED
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN201056 representing NM_012498
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCTAGCCATCTGGAACCAACAACGGCACCAAGATGCCACCCTGGGTCTGGGCACCTGGAAGTCTC
 CTCTGGCCAGGTGACCGAGGCTGTGAAGTTGCTATCGACATGGGGTATCGCCACATTGACTGCGCCCA
 GGTGTACCAGAATGAGAAGGAGGTGGGGTGGCCCTCCAGGAGAAGCTCAAGGAGCAGGTGGTGAAGCGC
 CAGGATCTCTTATTGTCAGCAAGCTGTGGTGCAGTTCCACGACCAGAGCATGGTGAAAGGGCCCTGCC
 AGAAGACGCTGAGCGACCTGCAGCTGGACTACCTGGACCTCTACCTTATTCACTGGCCAACCTGGTTCAA
 GCCTGGGCTGACTATTTCCCTGGATGCATCGGAAACGTGATTCTAGTGACACCGATTTGTGGAC
 ACTTGGACGGCTATGGAGCAACTAGTGGATGAAGTTTGGTAAAAGCAATCGGAGTCTCCAACCTCAACC
 CTCTTCAAGATTGAGAGGATCTTGAACAACCTGGCTTAAAGTATAAGCCTGCTGTTAACCAGATCGAGTG
 CCACCCATACCTAACTCAGGAGAAGCTGATTGAGTACTGCCATTGCAAAGGCATCGTGGTACTGCATAC
 AGTCCCCTTGGTTCTCTGACAGGCCCTGGGCCAAGCTGAGGACCCCTCTCTCTGGAGGATCCCAGGA
 TCAAGGAAATTGCAGCAAGTACAATAAACTACAGCCAGGTGCTGATCCGGTCCCCATCAAAGGAA
 CCTGGTCTGATCCCAAGTCTGTGACACCAGCAGTATTGCTGAGAACCTTAAAGGCTTTGACTTTGAG
 CTGAGCAATGAGGACATGGCCACTCTACTCAGCTACAACAGGAACTGGAGGGTGTGCGCCTTGATGAGCT
 GTGCCAAACACAAGGATTACCCCTCCACGCAGAAAGTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_012498
Insert Size: 951 bp



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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:	<ol style="list-style-type: none">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_012498.1 , NP_036630.1
RefSeq Size:	1339 bp
RefSeq ORF:	951 bp
Locus ID:	24192
UniProt ID:	P07943
Cytogenetics:	4q22
Gene Summary:	regulates NF-kappa B mediated mitogenic signaling; may play a role in the polyol pathway [RGD, Feb 2006]