

Product datasheet for **RN213775**

Akr1d1 (NM_138884) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Akr1d1 (NM_138884) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Akr1d1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN213775 representing NM_138884 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAACCTCAGCACTGCAAACCACCATACCCCTAAATGATGGTAACAGCATTCCGATCATCGGGCTTG
GAACCTACTCAGACCCTAGACCCGTACCTGGCAAGACCTTTATAGCAGTGAAGACAGCTATTGACGAGGG
GTACCGGCATATTGATGGGGCTACGCTACCGAAATGAACATGAAGTCGGTGAGGCCATCAGAGAAAAG
GTGGCAGAAGGGAAGGTAAGAGGGAAGAGATTTTCTACTGTGGAAAGTTATGGAGTACAGACCATGATC
CAGAGATGGTCCGCCAGCCCTGAAAGGACCCTGCAGACCCTCAAGCTAGATTACATAGACCTTTATAT
CATTGAGATGCCATGGCCTTTAAGCCTGGAGAGGAATTTATCCTAAAGATGAGAATGGCCGAGTGATA
TACCACAAATCAAATCTGTGTGCCACGTGGGAGGCACTGGAAGCTTGCAAAGACGCTGGCTTGGTAAAT
CCCTTGGGGTGTCTAATTTTAACCGCAGGCAGCTGGAGGTCATCTTGAACAAGCCAGGACTCAAGTACAA
GCCTGTCACCAACCAGGTGGAGTGCCACCCGATTTACCCAGACAAAACCTTGAAGTTTCTGCCAGC
AGCATGACATCGTTCATTGTGCGATACAGCCCTTAGGGACCTGTCGAACCCGTTATGGGTGAATGTAT
CTTCTCCACCCTTGTTAAAGGATGAACTCCTAACCTCGTGGGAAAAAGTACAATAAGACACAAGCTCA
AATTGTGTTGCGTTTCGACATCCAGCGAGGGTTGGTTGTCATCCCTAAAAGTACTACCCCTGAAAGGATC
AAAGAAAACCTTTCAGATCTTTGACTTCTCTCTACCAAAGAAATGAAGGACATTGAAGCCTTGAATA
AAAACGTGCGCTTTGTGGAGATGCTCATGTGGAGTGATCATCCTGAATACCCATTTTCATGACGAATACTG
A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_138884
Insert Size:	981 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_138884.1 , NP_620239.1
RefSeq Size:	3189 bp
RefSeq ORF:	981 bp
Locus ID:	192242
UniProt ID:	P31210
Cytogenetics:	4q22
Gene Summary:	enzyme that catalyzes the reduction of key intermediates during bile acid biosynthesis [RGD, Feb 2006]