

Product datasheet for **RN207638**

Akr1c14 (NM_138547) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Akr1c14 (NM_138547) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Akr1c14
Synonyms:	Akr1c9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN207638 representing NM_138547 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGATCCATATCTCTGCGTGTAGCACTAAATGATGGTAACTTCATTCTGTACTGGGTTTGAACCA
CTGTGCCTGAGAAGGTTGCTAAGGATGAAGTTATCAAGGCTACTAAAATAGCTATAGATAATGGATTCCG
CCATTTTGACTCTGCTTATTTGTACGAAGTAGAAGAGGAAGTGGCCAAGCCATTAGAAGCAAGATTGAA
GACGGCACTGTGAAGAGAGAAGATATTTCTATACTTCAAAGCTTTGGAGCACTTCCATAGACCAGAGC
TGGTCCGAACCTTGCTTGGAAAAGACACTGAAAAGCACTCAACTGGACTATGTGGATCTTTATATTATCA
TTTCCCAATGGCTTTGCAGCCTGGAGATATATTTTCCCACGAGATGAGCATGGAAAACCTATTGTTTGAA
ACAGTGGATATCTGTGACACATGGGAGGCCATGGAGAAGTGAAGGATGCAGGATTGGCCAAGTCTATTG
GGGTGTCCAACCTTAACTGCAGGCAGCTGGAGAGGATTCTGAATAAGCCAGGGCTCAAATACAAGCCTGT
GTGCAACCAGGTGGAATGTCACCTTTATCTCAACCAGAGCAAAAATGCTGGACTATTGTAAGTCAAAAAGAC
ATCATTCTGGTTTCTACTGCACGCTGGGAAGTTCACGAGACAAAACATGGGTGGATCAGAAAAGTCCAG
TTCTCCTAGATGATCCAGTTCTTTGTGCCATAGCAAAGAAGTACAAGCAAACCCAGCCCTAGTTGCCCT
TCGCTACCAGCTGCAGCGTGGGTTGTGCCCTGATCAGGAGTTTCAACGCGAAGCGGATCAAAGAGCTA
ACACAGGTTTTTGAATTCCAGTTGGCTTCAGAGGACATGAAAGCCCTGGATGGCTTGAACAGAAAATTTCA
GATACAACAATGCAAAAATATTTTGATGACCATCCAATCATCCATTTACTGATGAATAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1500_c08.zip

Restriction Sites: SgfI-MluI



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ACCN:	NM_138547
Insert Size:	969 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:	<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:	<u>NM_138547.2</u> , <u>NP_612556.1</u>
RefSeq Size:	2334 bp
RefSeq ORF:	969 bp
Locus ID:	191574
UniProt ID:	<u>P23457</u>
Cytogenetics:	17q12.2
Gene Summary:	catalyzes the conversion of 5 alpha-dihydrotestosterone to 3 alpha-androstenediol in steroid metabolism [RGD, Feb 2006]