

## Product datasheet for MC207473

### Akr1c13 (NM\_013778) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Akr1c13 (NM_013778) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Akr1c13
Synonyms:	mKIAA4014
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC207473 representing NM_013778 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAGCTCCAACAGCACTGTGTCAAATAAATGATGGCCACTTAATTCCTGCCCTGGGCTTTGGCACCT  
ATAAACCAAGGAGGTTCCCAAGAGTAAGTCACTGGAGGCTGCATGCCTAGCTCTAGATGTTGGGTACCG  
CCATGTTGATACTGCTTATGCATACCAAGTAGAAGAGGAGATAGGACAGGCCATTCAAAGCAAGATTAAA  
GCTGGGGTTGTAAGAGAGAAGACCTGTTCACTACTACAAAGCTTTGGTGCACTTGTCTTCGACCAGAGC  
TGGTCAAGCCTGCCTTGAAAAAGTCACTGAAAAAGCTTCAGCTGGATTATGTTGATCTTTACATTATGCA  
TTACCCAGTGCCAATGAAGTCAGGGGATAATGATTTTCCAGTAAATGAGCAAGGGAAATCTCTGTTGGAC  
ACTGTGGATTTCTGTGACACATGGGAGAGGTTGGAGGAGTGAAGGATGCAGGATTGGTCAAGTCCATTG  
GGGTGTCCAACCTTAACCACAGGCAGCTGGAGCGAATCCTCAATAAGCCAGGACTGAAGTACAAACCTGT  
CTGCAACCAGGTTGAATGTCATCTCTATTTGAACCAGCGTAAGCTACTGGATTACTGCGAATCAAAAGAC  
TTCTCTGAATGATCCAGTCTTTGTGATGTGGCCAAAAGAACAAGCGAAGTCCCTGATTGCAAT  
TCGATACCTGATTCAACGTGGGATTGTGCCCTGGCCAGAGTTTCAAAGAGAATGAGATGAGAGAGAAT  
TTGCAAGTTTTTGGATTTAGTTGTCCCTGAGGACATGAAAACACTAGATGGCCTGAACAAAAACTTTT  
GATACCTCCAGCAGAGTTCTTGTGACCACCCAGAGTATCCATTTGTGGAGGAATAT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_013778
Insert Size:	972 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_013778.2</a> , <a href="#">NP_038806.2</a>
<b>RefSeq Size:</b>	1232 bp
<b>RefSeq ORF:</b>	972 bp
<b>Locus ID:</b>	27384
<b>UniProt ID:</b>	<a href="#">Q8VC28</a>
<b>Cytogenetics:</b>	13 A1
<b>Gene Summary:</b>	Catalyzes the dehydrogenation of 17-beta-hydroxysteroids. May also exhibit significant activity with a variety of cyclic and alicyclic alcohols. Uses both NAD and NADP, but the activity is much greater with NAD than with NADP (By similarity).[UniProtKB/Swiss-Prot Function]