

Product datasheet for **MC208168**

Akr1b7 (NM_009731) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Akr1b7 (NM_009731) Mouse Untagged Clone
Tag: Tag Free
Symbol: Akr1b7
Synonyms: AR; Avdp; MVDP
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC208168 representing NM_009731
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCACCTTCGTGGAAGCTCAGTACCAAAGCCAAGATGCCCTTGTGGCCTGGGCACCTGGAAGTCTT
CCCCAGGCCAAGTCAAGGAAGCCGTGAAGGCGGCCATTGATGCTGGGTATCGCCACATTGACTGTGCCTA
TGTGTATCACAATGAGAATGAGGTGGGAGAAGCTATCCAAGAGAAGATCAAAGAGAATGCTGTGAAGCGG
GAGGATCTCTTCATCGTCAGCAAGCTGTGGCCACATTCTTTGAGAAAAGCCTGGTGAAGAAAGCCTTCC
AGAACACCCTCTCGGATCTGAAGCTGGACTATCTGGACCTGTATCTGGTCCACTGGCCACAGGGATTCA
GGCTGGGAATGCGTTATTACCCAAAGACAATAAAGGCAAAGTTCTCCTGAGTAAATCCACATTCTTGGAT
GCCTGGGAGGCCATGGAGGAAGTGGTGGACCAGGGGCTGGTGAAGCTCTGGGCATCTCCAATTCAACC
ACTTCCAGATTGAAAGGCTCCTGAACAAGCCTGGACTAAAACATAAGCCAGTGACCAACCAGATTGAGAG
CCACCCTATCTCACCCAGGAAAACTGATCCAATACTGTCAATCCAAGGCATCGCTGTTACAGCCTAC
AGTCCCCTGGGCTCCCCAGACAGGCCTTATGCCAAGCCAGAAGACCCCGTAGTAATGGAGATTCCAAGA
TCAAAGAGATTGCTGAAAACACAAGAAAACAGTAGCTCAGTTCTGATTCGGTTCCATGTCCAAAGGAA
TGTGGTGGTATCCCCAAGTCTGTGACACCCTCACGCATACAGGAGAACCCTGCAGGCTTCGACTTCCAG
TTGAGTGAGGAGGACATGGCTGCCATTCTCAGTTCAACAGGAAGTGGAGGGCCTGTGACCTGTTGGATG
CAAGGACTGAAGAGGACTATCCTTTCCACGAGGAATACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_009731
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_009731.2 , NP_033861.2
RefSeq Size:	1248 bp
RefSeq ORF:	951 bp
Locus ID:	11997
UniProt ID:	P21300
Cytogenetics:	6 14.95 cM
Gene Summary:	Reduces a broad range of aliphatic and aromatic aldehydes to the corresponding alcohols. Reduces prostaglandins (PubMed:19010934). May play a role in the metabolism of xenobiotic aromatic aldehydes (By similarity).[UniProtKB/Swiss-Prot Function]