

Product datasheet for **RN209128**

Adh1 (NM_019286) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adh1 (NM_019286) Rat Untagged Clone
Tag: Tag Free
Symbol: Adh1
Synonyms: Adh; Adh1a; Adh1c
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN209128 representing NM_019286
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGCACAGCTGAAAAAGTAATCAAATGCAAAGCGGCCGTGCTATGGGAGCCTCACAAGCCCTCACCA
TCGAGGACATAGAAGTCGCACCCCCAAGGCCATGAAGTTCGCATTAAGATGGTGGCCACCGGAGTCTG
CCGCTCAGATGATCACGGGTTAGTGGATCCCTGTTACGCCTCTTCTGCAGTTCTAGGCCACGAGGGA
GCTGGCATTGTTGAGAGCATTGGAGAAGGGGTGACTTGTGTGAAACCAGGTGATAAAGTCATCCCGCTGT
TCTCTCCCCAGTGTGAAAATGCAGGATCTGCAAGCACCCGAAAAGCAACCTCTGTTGCCAAACTAAGAA
TCTGACACAGCCTAAGGGAGCTTTGCTCGACGGCACCAGCAGGTTCTCCTGCAGGGGAAAGCCATTAC
CACTTCATCAGCACCAGCACCTTCTCCAGTACACTGTGGTAGATGACATAGCGGTGGCCAAAATCGATG
CGGCTGCACCACTGGACAAAGTCTGCCTCATCGGCTGTGGCTTCTCGACTGGCTATGGCTCTGCCGTCCA
AGTCGCCAAGGTGACCCAGGCTCCACCTGTGCCGTGTTGGCCCTGGGAGGTGTTGGTCTGTCTGTCTGTC
ATTGGCTGTAAAACAGCAGGAGCAGCAAGATCATTGCCGTGGACATCAACAAAGACAAGTTTGCGAAGG
CCAAAGAGTTAGGTGCCACTGACTGTATCAACCTCAAGACTACACCAACCCATCCAGGAAGTTCTCCA
GGAGATGACTGATGGAGGGGTGGACTTTTCATTTGAAGTCATTGGCCGTCTTGACACCATGACTCTTGCC
CTGTTAAGCTGCCATTACGATGCGGTGTAAGCGTCATTGTGGGGTGCCTCCAGTGCCAAAAGCCTCT
CCGTTAACCCCATGTCGCTGCTGCTGGGACGCACCTGAAAGGAGCAATATTCGGCGGGTTAAGAGTAA
AGATGCCGTCCCCAACTTGTGCTGACTTCATGGCTAAGAAGTTTCCGTTGGAGCCGCTGATTACTCAT
GTTTTACCTTTTAAAAGATAAATGAAGCATTTGACCTGCTCCGTGCTGGAAAGAGTATCCGTACCGTCC
TGACGTTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_019286
Insert Size:	1131 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_019286.4</u> , <u>NP_062159.3</u>
RefSeq Size:	1806 bp
RefSeq ORF:	1131 bp
Locus ID:	24172
UniProt ID:	<u>P06757</u>
Cytogenetics:	2q44
Gene Summary:	alpha subunit of class I alcohol dehydrogenase; metabolizes a wide variety of substrates including ethanol, hydroxysteroids and lipid peroxidation products [RGD, Feb 2006]