

Product datasheet for MC208105

Adh5 (NM_007410) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adh5 (NM_007410) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adh5
Synonyms:	Adh-5; Adh3; GSNOR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208105 representing NM_007410 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGAACCCAGGTGATCAGGTGTAAGGCTGCAGTCGCCTGGGAGGCGGGAAAGCCTCTCTCCATAGAGG
AGATAGAAGTGGCCCTCCAAAGGCTCATGAAGTTCGGATTAAGATCCTTGCCACTGCTGTTTGCCACAC
CGATGCCTATACCCTGAGCGGAGCTGACCCCGAGGGGTGTTTCCAGTGATCTTGGGACATGAAGGTGCT
GGAATTGTGAAAGTGTGGTGAAGGGTACGAAGCTGAAGGCAGGTGACTGTATCCCACTCTACA
TCCACAGTGTGGAGAATGCAAGTTTTGTCTGAATCCTAAAACAACCTTGCCAGAAAATAAGGGTCAC
TCAGGGGAAGGGATTAATGCCAGATGGGACTAGCAGATTTACCTGCAAAGGAAAGTCTGTTTTTCACTTC
ATGGGGACTAGCACATTTCCGAGTACACAGTTGTGGCTGACATCTCTGTTGCTAAAATCGATCCTTCGG
CCCCTTTGGATAAAGTCTGCCTTCTCGGCTGTGGTATTTCAACTGGCTACGGGGCTGCTGTGAACACTGC
CAAGGTGGAGCCTGGTTCTACTTGTGCCGTCTTTGGCCTGGGAGGAGTTGGACTGGCAGTGATCATGGGC
TGTAAGGTGGCTGGTGCATCCCGGATCATTGGTATCGACATCAATAAAGATAAATTCGAAAGGCCAAAG
AATTTGGAGCCTCTGAATGTATTAGCCCCAAGACTTCAGTAAATCCATCCAGGAAGTCTCGTTGAGAT
GACAGATGGGGCGTGGATTACTCCTTTGAGTGCATTGGCAACGTGAAGGTGATGAGATCAGCCCTTGAG
GCAGCCCAAAAGGCTGGGTGTCAGTGTGGTGTGGAGTGTGCTTTCAGGGGAAGAAATCTCCACTC
GTCCATTCAGCTGGTGACAGGACGCACATGGAAAGGCACCGCCTTTGGAGGATGGAAGAGTGTGGAGAG
TGTCCCAAAGCTGGTGTCTGAATATATGTCCAAAAGATAAAAAGTTGACGAATTTGTGACCGCAATCTC
TCCTTCGACCAAATTAACCAAGCCTTTGATCTGATGCACTCGGGAGACAGCATTGCAACTGTTCTAAAGA
TGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Chromatograms:	https://cdn.origene.com/chromatograms/ja2082_h03.zip
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_007410
Insert Size:	1125 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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:	BC062879 , AAH62879
RefSeq Size:	1604 bp
RefSeq ORF:	1125 bp
Locus ID:	11532
UniProt ID:	P28474
Cytogenetics:	3 G3
Gene Summary:	<p>Class-III ADH is remarkably ineffective in oxidizing ethanol, but it readily catalyzes the oxidation of long-chain primary alcohols and the oxidation of S-(hydroxymethyl) glutathione. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>