

Product datasheet for MR205820

Adh1 (NM_007409) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adh1 (NM_007409) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adh1
Synonyms:	Adh-1; Adh-1-t; Adh-1e; Adh-1t; Adh-3e; ADH-AA; Adh1-e; Adh1-t; Adh1tl; Adh3-e; A1194826
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205820 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCACTGCGGAAAAGTGATCAAATGCAAAGCTGCGGTGCTATGGGAGCTTCACAAACCTTCACCA
TCGAGGACATAGAAGTCGCACCCCCAAGGCCATGAAGTTCGAATTAAGATGGTGGCCACTGGTGTCTG
CCGCTCAGACGATCACGTGGTTAGTGAACCTGGTCACACCTCTTCTCGAGTTTTAGGCCATGAGGGA
GCAGGCATTGTTGAGAGCGTTGGAGAAGGGGTGACTTGTGTGAAACCAGGTGATAAAGTCATTCCACTCT
TTTCCCCTCAGTGTGGAGAATGCAGGATTTGCAAGCACCCGAAAGCAACTTTTGTAGCCGAAGCGATCT
GCTAATGCCTCGGGGACTTTGCGCAAGGCACCAAGCAGGTTCTCCTGCAAGGAAAGCAGATCCACAAC
TTTATCAGCACCAAGCCTTCTCCAGTACACCGTGGTAGATGATATAGCAGTGGCCAAAATCGATGGAG
CTTCACCACTGGACAAAGTCTGCCTCATCGGCTGTGGTTCTCAACTGGCTATGGCTCTGCCGTCAAAGT
CGCCAAGGTGACCCAGGCTCCACATGTGCCGTGTTGGCCTCGGAGGTGTGGTCTGTCTGTATCATT
GGCTGTAAGCAGCAGGAGCAGCCAGGATCATTGCTGTGGACATCAACAAGGACAAGTTTGCCAAGGCCA
AAGAGTTGGGTGCAACTGAGTGCATCAACCCTCAAGACTACAGCAAACCCATCCAGGAAGTTCTCCAGGA
GATGACCGACGGAGGGTGGACTTTTCGTTTGAAGTCATCGGCCCGCTTGACACCATGACTTCTGCCCTG
CTGAGCTGCCATGCAGCATGTGGTGAAGCGTCGTCGAGGAGTGCCTCCCAATGCCAGAACCTCCCA
TGAACCCATGTTGCTGCTGCTGGGACGCACCTGGAAGGAGCAATATTTGGCGGTTTAAAGATAAAGA
TTCTGTCCCTAAACTTGTGGCTGACTTCATGGCTAAGAAGTTTCCGTTGGACCCGTTAATTACCCATGTT
TTACCTTTGAGAAAATAAATGAAGCATTGACCTGCTTCGTTCTGGAAAGAGCATCCGTACCGTCTGGA
CTTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205820 protein sequence
Red=Cloning site Green=Tags(s)

MSTAGKVIKCKAAVLWELHKPFTIEDIEVAPPKAHEVRIKMVATGVCRRDDHVVSGTLVTPLPAVLGHEG
 AGIVESVGEVTCVKPGDKVIPLFSPQCGERICKHPESNFCRSRDLMPRGTLREGTSRFCKGKQIHN
 FISTSTFSQYTVVDDIAVAKIDGASPLDKVCLIGCGFSTGYGSVAVKAVKTPGSTCAVFLGGVGLSVII
 GCKAAGAARIIVDINKDKFAKAKELGATECINPQDYSKPIQEVLEMTDGGVDFSEFVIGRLDTMTSAL
 LSCHAACGVSVVVGVPPNAQNLSMNPMLLLLGRTWKGAIFFGGFKSDSVPKLVADFMAKKFLDPLITHV
 LPFEKINEAFDLLRSGKSIRTVLTF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_007409

ORF Size: 1128 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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_007409.3](#)

RefSeq Size: 1348 bp

RefSeq ORF: 1128 bp

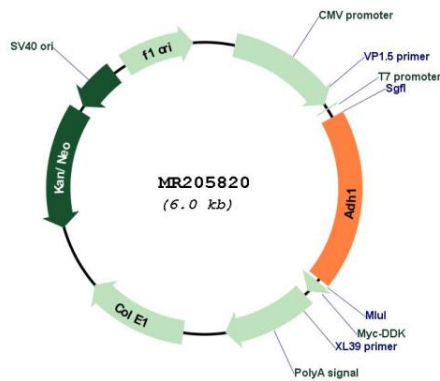
Locus ID: 11522

UniProt ID: [P00329](#)

Cytogenetics: 3 64.16 cM

MW: 39.8 kDa

Product images:



Circular map for MR205820