

Product datasheet for **MG205820**

Adh1 (NM_007409) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adh1 (NM_007409) Mouse Tagged ORF Clone
Tag:	TurboGFP
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-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205820 representing NM_007409 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCACTGCGGGAAAAGTGATCAAATGCAAAGCTGCGGTGCTATGGGAGCTTCACAAACCCTTCACCA
TCGAGGACATAGAAGTCGCACCCCCAAGGCCATGAAGTTCGAATTAAGATGGTGGCCACTGGTGTCTG
CCGCTCAGACGATCACGTGGTTAGTGGAACCTGGTCACACCTCTCCTGCAGTTTTAGGCCATGAGGGA
GCAGGCATTGTTGAGAGCGTTGGAGAAGGGGTGACTTGTGTGAAACCAGGTGATAAAGTCATTCCACTCT
TTTCCCCTCAGTGTGGAGAATGCAGGATTTGCAAGCACCCGAAAGCAACTTTTGTAGCCGAAGCGATCT
GCTAATGCCTCGGGGACTTTGCGCAAGGCACCAAGCAGGTTCTCCTGCAAGGAAAGCAGATCCACAAC
TTTATCAGCACCAGCACCTTCTCCAGTACACCGTGGTAGATGATATAGCAGTGGCCAAAATCGATGGAG
CTTCACCACTGGACAAAGTCTGCCTCATCGGCTGTGGTTCTCAACTGGCTATGGCTCTGCCGTCAAAGT
CGCCAAGGTGACCCAGGCTCCACATGTGCCGTGTTGGCCTCGGAGGTGTGGTCTGTCTGTATCATT
GGCTGTAAGCAGCAGGAGCAGCCAGGATCATTGCTGTGGACATCAACAAGGACAAGTTTGCCAAGGCCA
AAGAGTTGGGTGCAACTGAGTGCATCAACCCTCAAGACTACAGCAAACCCATCCAGGAAGTTCTCCAGGA
GATGACCGACGGAGGGGTGGACTTTTCGTTTGAAGTCATCGGCCCGCTTGACACCATGACTTCTGCCCTG
CTGAGCTGCCATGCAGCATGTGGTGAAGCGTCGTCGAGGAGTGCCTCCCAATGCCAGAACCTTCCA
TGAACCCATGTTGCTGCTGCTGGGACGCACCTGGAAGGAGCAATATTTGGCGGTTTAAAGATAAAGA
TTCTGTCCCTAAACTTGTGGCTGACTTCATGGCTAAGAAGTTTCCGTTGGACCCGTTAATTACCCATGTT
TTACCTTTGAGAAAATAAATGAAGCATTGACCTGCTTCGTTCTGGAAAGAGCATCCGTACCGTCTGGA
CTTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205820 representing NM_007409
 Red=Cloning site Green=Tags(s)

MSTAGKVIKCKAAVLWELHKPFTIEDIEVAPPKAHEVRIKMVATGVCRRDDHVVSGTLVTPLPAVLGHEG
 AGIVESVGEVTCVKPGDKVIPLFSPQCGECRICKHPESNFCRSRDLMPRGTLREGTSRFSCKGKQIHN
 FISTSTFSQYTVVDDIAVAKIDGASPLDKVCLIGCGFSTGYGSVAVKAVKVPSTCAVFLGGVGLSVII
 GCKAAGAARIIVDINKDKFAKAKELGATECINPQDYSKPIQEVLQEMTDGGVDFSFEVIGRLDMTSAL
 LSCHAACGVSVVVGPPNAQNLNMPMLLLLGRTWKGAIFGGFKSKDSVPKLVADFMAKKFPLDPLITHV
 LPFEKINEAFDLLRSGKSIRTVLTF

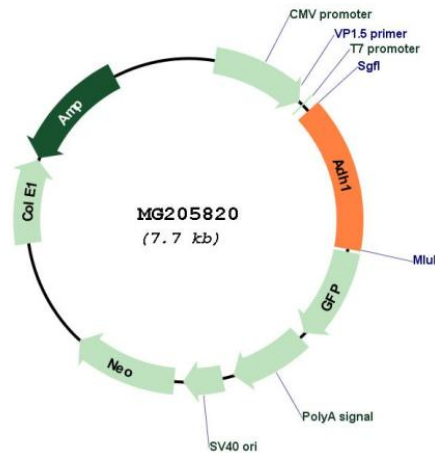
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_007409

ORF Size:	1125 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:	<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_007409.3
RefSeq Size:	1348 bp
RefSeq ORF:	1128 bp
Locus ID:	11522
UniProt ID:	P00329
Cytogenetics:	3 64.16 cM