

Product datasheet for **MG218750**

Adh4 (NM_011996) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adh4 (NM_011996) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Adh4
Synonyms: Adh2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG218750 representing NM_011996
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCACCCAGGGAAAAGTTATTAATGCAAGGCAGCCATTGCCTGGAAAAGTGGCAGTCCCCTTTGCA
TTGAAGAAATTGAGGTGTCCCCTCTAAAGCTTGTGAGGTTGGATTGAGGTAATCGCCACGTGTGTGTG
CCCTACTGACATCAATGCCACCGATCCTAAGAAGAAAGCTCTCTCCCGGTAGTCTTGGTCATGAGTGT
GCAGGAATTGTAGAAAGTGTGGCCGGGAGTGACCAACTCAAACCAGGTGACAAAGTAATCCCATTCT
TTGCACCACAGTGCAAAAGGTGCAAGCTCTGTCTGAGCCCTCTCACAACCTCTGTGAAAAGTCCGAAA
CTTCAAATACCCACTATTGATCAGGAGCTCATGGAAGACAGAACCAGCAGGTTTACCTGCAAAGGAAGA
TCAATTTACCATTTTCATGGGCGTCAGTTCACTTCTCAATACACTGTGGTTTCAGAGGCCAATCTTGCCA
GAGTCGATGATGAGGCAAACTTGGAGAGAGTGTGTCTGATTGGATGTGGGTTCTCATCAGGCTACGGGGC
TGCCATCAATACTGCCAAGGTCACCCCGGTTCCACTTGTGCTGTCTTTGGCCTGGGGTGTGTAGGTCTT
TCTGCCATAATTGGGTGTAATAAGCAGGTGCTCCAGAATCATAGCTATTGACATCAACGGTGAGAAGT
TCCAAAAGCCAAGGCCCTGGGAGCCACTGACTGCCTGAATCCCAGGGAGCTAGACAAACCTGTCCAGGA
TGTCATCACTGAGCTGACAGCTGGAGGTGTGGATTACTCCCTTGACTGTGCAGGAACAGCTCAGACCTTG
AAAGCAGCTGTGGACTGCAGTGTATTAGGCTGGGGTCTGTCAGTGTGGTGGGAGCAAAGGTTGACGAAA
TGACTATACCCACCGTGGACGTTAATTGGGCCGTTCTATAAATGGAACATTCTTTGGTGGTTGAAAAAG
TGTAGACTCTGTCCCAAACCTGGTTTCTGACTACAAGAATAAGAAATTCGATCTGGACTTACTGGTGACC
CATGCCCTACCTTTCGAGAGCATAAATGATGCCATTGACCTGATGAAGGAAGGAAAAAGCATCCGAACAA
TCCTGACCTTC

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG218750 representing NM_011996
 Red=Cloning site Green=Tags(s)

MGTQGVKICKAAIAWKTGSPLCIEEIEVSPPKACEVRIQVIATCVCPTDINATDPKKKALFPVVLGHEC
 AGIVESVGPVGNFKPGDKVIPFFAPQCKRCKLCLSPLTNLCGKLRNFKYPTIDQELMEDRTSRFTCKGR
 SIYHFMGVSSFSQYTVVSEANLARVDDEANLERVCLIGCGFSSGYGAAINTAKVTPGSTCAVFLGCVGL
 SAIIGCKIAGASRIIAIDINGEKFPKAKALGATDCLNPRELDKPVQDVITELTAGGVDYSLDCAGTAQTL
 KAAVDCTVLGWGSCTVVGAKVDEMTIPTVDVILGRSINGTFFGGWKSVDSPNLVSDYKNNKFDLDDLVT
 HALPFESINDAIDLMKEGKSIRILTIF

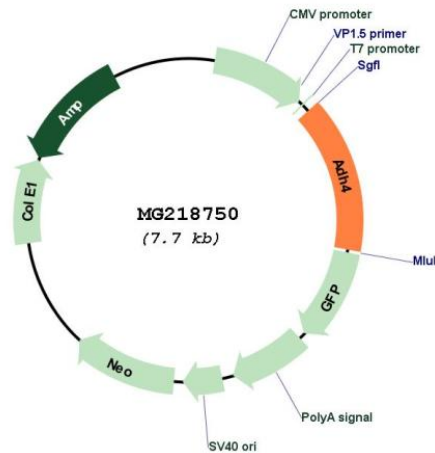
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_011996

ORF Size:	1131 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_011996.1
RefSeq Size:	1312 bp
RefSeq ORF:	1134 bp
Locus ID:	26876
UniProt ID:	Q9QYY9
Cytogenetics:	3 G3
Gene Summary:	Involved in the reduction of benzoquinones.[UniProtKB/Swiss-Prot Function]