

Product datasheet for **RR207160**

Adh4 (NM_017270) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adh4 (NM_017270) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Adh4
Synonyms: Ac1002; ADH-1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR207160 representing NM_017270
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGCACCCAGGAAAGGTCATTACATGCAAGGCAGCCATTGCCTGGAAAAGTACAGCCCCCTTTGCA
TTGAAGAAATGAAGTTTCTCCTCCTAAGGCTCATGAAGTTCGAATTAAGGTAATCGCCACATGCGTGTG
CCCTACTGACATCAATGCCACCAATCCTAAGAAGAAAGCTCTCTCCAGTAGTCTCGGCCATGAGTGT
GCAGGAATTGTAGAAAGGTTGGGCCAGGAGTGACCAACTTCAAACCAGGTGACAAAAGTAATCCCATTTCT
TCGCACCACAGTGCAAAAAGTGCAAGCTCTGTCTGAGTCTCTCACGAACCTCTGTGGGAAGCTCAGAAA
TTTTAAATACCCTACTATTGATCAAGAGCTCATGGAAGACAGAACCAGCAGGTTTACCTGCAAAGGAAGA
TCAATTTACCACTTATGGGAGTCAGTTCCTTCTCAGTACACTGTGGTTTCAGAAGCCAATCTTGCCC
GAGTGGATGATGAGGCAAAATTTGGAGAGAGTGTGTCTGATTGGATGTGGGTTACATCAGGCTATGGGGC
TGCGATCAACTGCCAAGGTCACCCCTGGTCCGCTTGTGCTGTCTTTGGCCTGGGGTGTGTAGGTCTT
TCTGTGTAATTGGATGTAATAAGCAGGTGCTTCCAGAATCATAGCTATTGACATCAACAGTGAGAAGT
TCCAAAAGCCAAGGCCCTGGGAGCCACTGACTGCCTTAATCCCAGAGACCTAGACAAACCTGTCCAAGA
TGTCACTCACTGAAGTACGGGTGGAGGTGGATTTCTCCTGGACTGTGCAGGAACAGCTCAGACCTTG
AAAGCAGCTGTAGACTGCACCGTCGTAGGCTGGGGTTCATGCACTGTGGTTCGGAGCAAAGTTGATGAAA
TGAATATATCCACCGTGGACATGATATTGGGCCGTTCTGTAAAGGGAACGTTCTTTGGTGGTTGGAAAAG
TGTAGACTCTGTCCAAACCTGGTTACTGACTACAAGAATAAGAAATTCGATCTGGACTTACTGGTGACC
CATGCCCTACCTTTTGACAAAATCAACGACGCGATTGACCTGATGAACCAAGGAAAAAGCATCCGAACA
TCCTGACCTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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MGTQGKIVITCKAAIAWKTDSPLCIEEIEVSPPKAHEVRIKVIATCVCPTDINATNPKKKALFPVVLGHEC
 AGIVESVGPVGNFKPGDKVIPFFAPQCKKCKLCL SPL NL CGKLRNFKYPTIDQELMEDRTSRFTCKGR
 SIYHFMGVSSFSQYTVVSEANLARVDDEANLERVCLIGCGFTSGYGAAINTAKVTPGSACAVFGLGCVGL
 SAVIGCKIAGASRIIAIDINSEKFPKAKALGATDCLNPRDLKPVQDVITELTGGGVDFSLDCAGTAQTL
 KAAVDCTVVGWGSCTVVGAKVDEMNIISTVDMILGRSVKGTFFGGWKSVDSPNLVTDYKNNKFDLDDLVT
 HALPFDKINDAIDL MNQGSIR TILTF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

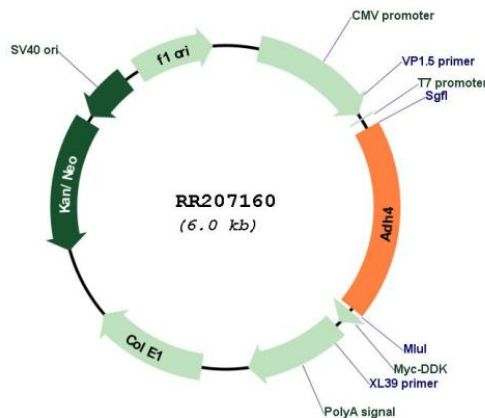
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_017270

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_017270.2 , NP_058966.2
RefSeq Size:	1372 bp
RefSeq ORF:	1134 bp
Locus ID:	29646
Cytogenetics:	2q44
MW:	40.2 kDa