

Product datasheet for **RR204593**

Adh6 (NM_001012084) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adh6 (NM_001012084) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adh6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR204593 representing NM_001012084 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCACCCAGGAAAGGTGATCAGATGCAAAGCCACTGTGCTCTGGAAGCCTGGAGCCCCACTTGCCA
TTGAGGAGATCGAAGTGGCCCCACCTAAAGCAAAGGAGGTTCAATAAAGATGGTGCCACAGGAGTCTG
TGGCACAGACATAAAACATCTGGACACACAAGAAGCTTTCTAAGTTTTGCCCATGATTATGGCCATGAA
GGAGTTGGGATAGTCGAGAGTGTGGGGGAAGGAGTAAGCAGCGTAAGAACAGGTGATAAAGTTATCCTAT
TATGTATCCCTCAGTGTGGGAATGCAAACTTGCCTGAATCCAAGAACAATATTTGTACAGAAATTAG
ACTGTCAAAGACACACCTGGCATCTGAAGGCACCAGCAGAATTACCTGCAAGGAAAAGTTAGTGCATCAG
TATATCGCTCTCGGCAGCTTCTCGGAATACACAGTCTAAAGGAAATCTCAGTCGCCAAGATTGACGAAG
GTGCACCTCTGGAGAAGGTGTGCATAATTGGCTGTGGTTTGGCCACTGGGTACGGCGCTGCCATCAACTC
TGCCAAGGTGACCCAGGCTCCACCTGTGCGGTGTTGGCCTCGGAGGTGTCGGTCTGTCTGTATCATT
GGCTGTAAGCAGCAGGAGCAGCCAGGATCATTGCCGTGGACATCAACAAAGACAGGTTTGGGAAGGCCA
AGACAGTGGGTGCCACTGACTGCGTCGACCCACGGGACTTCGAGAAACCCATTGAGGAAGTTTTATCCGA
TATGATAGATGGTGGCGTGGACTTCTGCTTTGAGGTCACTGGGAACACAGAAGCAGTGGGAGCTGCCCTG
GGCTCCTGTACAAAGACCACGGGTCTGCGTACTGTTGGAGCCCTAGCATCTTTCACCACTACTCA
GCATTAGAAGCCACTTGTCTTCTCAGGACGATTCTGAAAGGCTATTTTGGGAGGCTGGAAAACGAA
AGAAGAAATCCCTAAGCTGGTTTCTGACTATATGGCAAAGAAGTTAACATAGATCCTCTGATCACCCAC
ACCTGACTCTCAGCGAGGCCAATGAGGCAGTTCAGCTCATGAAAAGTGGGAATGTATCCGCTGTGTCC
TGCTCCTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR204593 representing NM_001012084
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MGTQGKVI~~RC~~ATVLWKP~~G~~APLAI~~EE~~IEVAPPKAKEVRIK~~M~~VATGVC~~G~~TDIKHLDTQELSKFC~~P~~MIMGHE
 GVGIVESV~~G~~EGVSSV~~R~~TGDKVILL~~C~~IPQC~~G~~ECKTCLNSK~~N~~NICTEIRLSK~~T~~H~~L~~ASEGTSRIT~~C~~K~~G~~KL~~V~~HQ
 YIALG~~S~~FS~~E~~YTVLKEIS~~V~~AKID~~E~~GAPLEK~~V~~CIIG~~C~~GFATGYGAA~~I~~NSAKVTP~~G~~STCAV~~F~~GLGGV~~L~~SVII
 GCKAAGAARI~~I~~AVDINK~~R~~FAKAKTVGATDCV~~D~~PRDFEKPI~~E~~EVLSD~~M~~IDGGVDFCFE~~V~~TGNTEAVGAAL
 GSCHKDHGVC~~V~~T~~V~~GALASFT~~S~~TLSIR~~S~~HLFFSGRILK~~G~~SILGG~~W~~KTKEEIP~~K~~L~~V~~SDYMAK~~F~~NID~~P~~LITH
 TLTLSEANEAVQLMKSGQCIRC~~V~~LLL

TRTRPLE~~Q~~KLISEEDLAANDILDYKDDDDK~~V~~

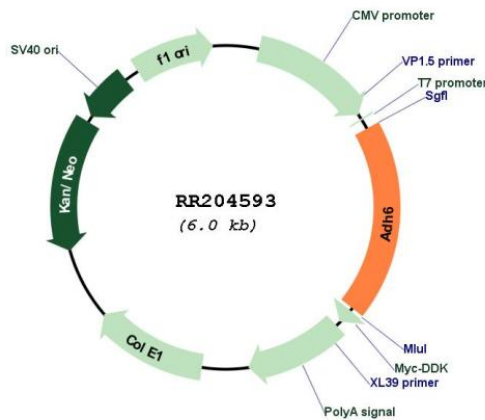
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001012084

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:	<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_001012084.1 , NP_001012084.1
RefSeq Size:	1854 bp
RefSeq ORF:	1131 bp
Locus ID:	310903
UniProt ID:	Q5XI95
Cytogenetics:	2q44
MW:	39.7 kDa