

## Product datasheet for RC219471

### ADH6 (NM\_000672) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ADH6 (NM_000672) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ADH6
Synonyms:	ADH-5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC219471 representing NM_000672 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGAGTACTACAGGCCAAGTCATCAGATGCAAAGCAGCCATACTCTGGAAGCCTGGTGCACCATTTTCTA  
TTGAAGAGGTAGAAGTGGCCCCACCAAAGGCAAAGGAAGTTCGCATAAAGGTTGTGGCCACCGGACTGTG  
TGGTACAGAGATGAAAGTGTGGGGAGTAAACACTTGGACCTTGTATCCCACCATCTTGGCCATGAA  
GGGGCTGGAATCGTTGAGAGATTGGAGAAGGAGTAAGCACAGTAAACCAGGTGACAAAAGTTATCACAC  
TCTTTCTGCCACAGTGTGGAGAATGTACCTCTTGCCTGAATTCTGAGGGCAATTTTGTATAACAATTCAA  
ACAGTCAAAAACCAACTGATGTCTGATGGTACCAGCAGTTTACCTGCAAGGAAAATCAATATATCAC  
TTTGGTAATACCAGCACCTTCTGTGAATACACAGTGATAAAGGAAATCTCAGTTGCCAAGATTGATGCAG  
TCGCTCCTCTAGAGAAAGTATGCCTAATTAGCTGTGGCTTTTCCACTGGGTTTGGTGTGCAATCAATAC  
TGCCAAGGTGACTCCAGGTTCTACCTGTGCTGTGTTTGGCCTGGGAGGAGTCGGCTTGTCTGTTGTCATG  
GGTTGTAAGCAGCAGGAGCAGCCAGGATCATTGGAGTGGATGTCAACAAGGAGAAATTTAAGAAGGCAC  
AGGAATTGGGTGCTACTGAGTGCCTCAACCCTCAGGACTTAAAGAAACCCATTCAAGAAGTTTTATTTGA  
TATGACAGATGCTGGTATAGACTTCTGCTTTGAGGCCATTGAAATCTGGACGTTCTGGCAGCTGCCCTC  
GCCTCCTGCAATGAGAGCTATGGGGTCTGTGTGGTTGTTGGGGTGTTCCTGCCAGTGTCAACTCAAAA  
TCAGTGGCCAGTTGTTCTTCTCAGGACGTTCTTTGAAGGTTCTGTTTTGGAGGCTGGAAGAGCAGACA  
GCACATCCCTAAACTGGTTGCTGATTATATGGCAGAGAAGTTGAATCTAGATCCACTAATTACTCATACT  
CTGAATCTTGATAAAATCAATGAAGCAGTTGAATTAATGAAAACCTGGAAAATGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)



**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\\_000672.4](#)

**RefSeq Size:** 1398 bp

**RefSeq ORF:** 1107 bp

**Locus ID:** 130

**UniProt ID:** [P28332](#)

**Cytogenetics:** 4q23

**Domains:** ADH\_zinc\_N

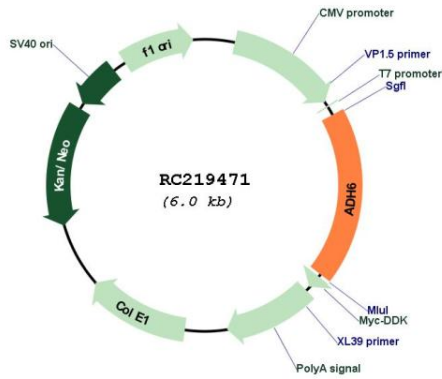
**Protein Families:** Druggable Genome

**Protein Pathways:** Drug metabolism - cytochrome P450, Fatty acid metabolism, Glycolysis / Gluconeogenesis, Metabolic pathways, Metabolism of xenobiotics by cytochrome P450, Retinol metabolism, Tyrosine metabolism

**MW:** 38.9 kDa

**Gene Summary:** This gene encodes class V alcohol dehydrogenase, which is a member of the alcohol dehydrogenase family. Members of this family metabolize a wide variety of substrates, including ethanol, retinol, other aliphatic alcohols, hydroxysteroids, and lipid peroxidation products. This gene is expressed in the stomach as well as in the liver, and it contains a glucocorticoid response element upstream of its 5' UTR, which is a steroid hormone receptor binding site. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC219471