

Product datasheet for **SC214610**

ADH5 (NM_000671) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ADH5 (NM_000671) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ADH5
Synonyms:	ADH-3; ADHX; AMEDS; BMFS7; FALDH; FDH; GSH-FDH; GSNOR; HEL-S-60p
ACCN:	NM_000671
Insert Size:	1469 bp



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Insert Sequence:	<p>>SC214610 3'UTR clone of NM_000671 The sequence shown below is from the reference sequence of NM_000671. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site</p> <pre>GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC AAGAGCATTCGAACTGTTGTAAAGATTAAATTCAAAAGAGAAAAAATATGTCCATCCTGTGCTGATGTG ATAGGAGCAGCTTAACAGGCAGGAGAGAGCGCCTCCAACCTCACAGCCTCGTAGAGCTTCACAGCTACT CCAGAAAAATAGGGTTATGTGTGCATTCAATGAATCTCTATAATCAAGGACAAGGATAATTCAGTCATGA ACCTGTTTTCTGGATGCTCCTCCACATAAATAATTGCTAGTTTATTAAGGAATATTTAACATAATAAAA AGTAATTTCTACATTTGTGTGAAATTGTCTTGTTTTATGCTGTCATCATTGTCACGGTTTGTCTGCC ATTATCTTCATTCTGCAAGGGAAAGGGAAAGGAAGCAGGGCAGTGGTGGGTGCTGAAACCTCAGAAAC ATAACGTTGAACTTTAAGGGTCTCAGTCCCGTTGATTAAAGAACAGATCCTAGCCATCAGTGACAAA GTTAATCAGGACCAAGTCTGCTTCTGTGATATTATCTTGAAGGGAGTACTGTGCCTTGTTCATACCT GTACCCCAAATTCCTAGGATGGCATCTGCCCTCAGGGGGCACTAAAATGTATTATTGAAACAGCATT TGGGCTTAAATAGGTGTATGTATGTGTTGGTTGTGACTGTACTATTTCTAGTATAGTGAACCTACACT GAATATCCAAGTTCTCAGCACCTACTTTTGTCAAATCTAACATTTTGCCACTTCGAGATCACATTGCC ATTCCTCCCTCCAGAGGTAACAATTATCCACAATTTGATGTTTATCATTCTGTGTTGTTGACTTTT ACTGTGTATAACCTAAACCATCTACTCTTTAGTACTGTTTATATATTTTAAAGCCTCATACTTGCTCA TTCTACAGCTTTTTCTACTCATTATTGTATAATTATATCTGAAGCTCTCGTTCATTAATTTTAGTCTG TGATAGCAGAATCAATTACGGGAACCTACCATAATTTATCTGTTCTCCAGTTGAAGGCATGAAGTTGTTG CCAGTTTCTGTATTATAACACTGTAGTGAACATTCTTCTGATTGGGCTCACTGCGTGTACCTAAGA CGTATCACAGAATAAACACATTTAGCCTTATAGACATTGCCAAATTGCTCTTCAAAGTAAATGTGAGTT TTTGTGAATTACATGAGTATGGAATGGTGTATTATGACTTTAGTTTGCATTTTCTCAATTCTCGT TAAATCCTTCATTCTAATGGACATTTTATTGTGAAGAACCTGTTTCATATCCTGTGCTCAACTTTGTATT GAATTATTTTCTCTGAATAATTTTAGGAGTTCTTTTATTCTAGACATCAATCATTGTGAGTTTAT ATGTTGCAAATATCTTCTAGTCTATCTTGTGACTTTTCTTTTACTTTATGGTATTTTGTGAATAAAG TTTTAATGTAGTCACATAAA ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG</pre>
Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_000671.4

Summary:

This gene encodes 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. The encoded protein forms a homodimer. It has virtually no activity for ethanol oxidation, but exhibits high activity for oxidation of long-chain primary alcohols and for oxidation of S-hydroxymethyl-glutathione, a spontaneous adduct between formaldehyde and glutathione. This enzyme is an important component of cellular metabolism for the elimination of formaldehyde, a potent irritant and sensitizing agent that causes lacrymation, rhinitis, pharyngitis, and contact dermatitis. The human genome contains several non-transcribed pseudogenes related to this gene. [provided by RefSeq, Oct 2008]

Locus ID:

128

MW:

55.7