
Difference in the nucleotide sequence of human angiotensinogen cDNA

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cDNAs encoding human angiotensinogen were isolated from a liver library in pKT218 by hybridization with radiolabeled insert of human angiotensinogen partial cDNA clone (1). Using M13/dideoxy chain termination technique we have determined the complete nucleotide sequence of the human angiotensinogen cDNA clones. We find an interesting difference between our sequence and the one published by Kageyama et al (2). It is identical to the reported sequence except for nucleotide 1075. We find an 'A' at position 1075 instead of published 'C'. This would produce a protein with 'Met' instead of 'Leu' predicted by the sequence of Kageyama et al (2). Moreover, the sequence 1075^{CTGCAG}¹⁰⁸⁰ is recognized by the restriction enzyme PstI while our sequence 1075^{ATGCAG}¹⁰⁸⁰ is not. This nucleotide difference may represent a genetic polymorphism since the cDNA libraries used by Kageyama et al (2) and by us are different. Alternatively, a single base mutation might have occurred during cloning, although this is less likely in our case since three independent cDNA clones isolated in our laboratory lack this PstI site.

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