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ONLINE ISSN: 1880-313X PRINT ISSN: 0388-6107

Biomedical Research

Vol. 26 (2005), No. 3 June pp.117-121

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[PDF (2095K)] [References]

Amino acid residues conferring the nucleotide binding properties of N-acetyl-D-glucosamine 2-epimerase (renin binding protein)

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(Received April 25, 2005) (Accepted May 6, 2005)

ABSTRACT

Our recent studies have demonstrated that the middle domain of *N*-acetyl-D-glucosamine (GlcNAc) 2-epimerase participates in the specificity for and binding of nucleotides. To identify the residue conferring nucleotide binding, amino acid substitutions were introduced in the human and rat GlcNAc 2-epimerases. The mutational analyses indicate that residue 171 of GlcNAc 2-epimerase is critical for the nucleotide binding of GlcNAc 2-epimerase.

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To cite this article:

Saori TAKAHASHI, Hironobu OGASAWARA, Kazuyuki HIWATASHI, Keishi HATA, Kazuyuki HORI, Yukio KOIZUMI and Toshihiro SUGIYAMA; "Amino acid residues conferring the nucleotide binding properties of *N*-acetyl-D-glucosamine 2-epimerase (renin

binding protein)", Biomedical Research, Vol. 26, pp.117-121 (2005).

doi:10.2220/biomedres.26.117

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