Rsa1 polymorphism at the insulin receptor locus (INSR) on chromosome 19

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SOURCE/DESCRIPTION A 4.2 kb cDNA insert from an adult human kidney library cloned in the *ECOR*I site of pBR327 (pINSR 13-1), covering amino acid 295 to the polyA tract of the insulin receptor gene (Ullrich et al, 1985).
HGM8 gene symbol INSR.

POLYMORPHISM *Rsa*I (GTAC) Amersham U.K. Ltd. 2-allele polymorphism with a band at 6.7 kb (allele 1) or 6.2 kb (allele 2). Several constant bands (3.6, 2.2 kb and smaller).

FREQUENCY Allele 1, 48%; Allele 2, 52%. (Population of 51 unrelated caucasian individuals).

NOT POLYMORPHIC FOR Not extensively tested.

CHROMOSOMAL LOCALISATION 19p13.3 - 19p13.2 (Yang-Feng et al, 1985)

MENDELIAN INHERITANCE Co-dominant inheritance shown in 13 families (56 informative offspring).

PROBE AVAILABILITY Write to G. I. Bell

OTHER COMMENTS Wash stringency 1xSSC, 65°.

REFERENCE Ullrich A. et al. Nature (1985) 313 : 756-761.
Yang-Feng T.L. et al. Science (1985) 228 : 728-731.

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