
PvuII RFLP inside the human estrogen receptor gene

A.Castagnoli, I.Maestri, F.Bernardi and L.Del Senno

Centro di Studi Biochimici sul Morbo di Cooley, Università degli Studi di Ferrara, Italy

SOURCE/DESCRIPTION: 1.3 Kb insert of the human estrogen receptor cDNA in EcoRI site of the PBR322 (Green et al., 1986).

POLYMORPHISM: PvuII identifies five invariant bands at 1.3, 1.5, 3.3, 2.8, 1.0 Kb and a single two allele polymorphism with a band at either 1.5 and 0.7 Kb.

FREQUENCY: the 1.5 Kb band(see figure) is present in fourteen out of twenty unrelated Italian subjects with the frequency of 0.475.

NOT POLYMORPHIC for: BamHI, TaqI and MspI in at least 10 unrelated subjects.

CHROMOSOMAL LOCALIZATION: 6 (Walter P. et al. 1985).

MENDELLIAN INHERITANCE: demonstrated in two Italian families.

PROBE AVAILABILITY: write to P.Chambon,Inst. Chim.Biol., 11,rue Humann, 67085 Strasbourg Cedex- France.

REFERENCE: Green S. et al. Nature (1986) 320, 134-139
Walter P. et al. Proc.Natl.Acad. Sci. USA (1985) 82, 7889-7893.

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