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D22S15–a fetal brain cDNA with BanII and SacI RFLP

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SOURCE/DESCRIPTION: a .58 kb single copy EcoRI fragment was isolated from a human fetal brain cDNA library and cloned into pBR322 (see ref. 1)

POLYMORPHISMS: Recognizes a two allele polymorphism when used to probe human genomic DNA digested with SacI (shown in table below). There are no constant bands. Additional polymorphisms recognized by BanII and Bsp1286 are in disequillibrium with the BanII polymorphism

SacI polymorphisms

	Size	Frequency (34 individuals)
A1	8.2 kb	79%
A2	3.6 kb	21%

CHROMOSOMAL LOCATION: 22 by somatic cell hybrid analysis and linkage analysis (1)

NOT POLYMORPHIC FOR: TaqI, MspI, PvuII, NciI, EcoRI, BamHI, HindIII, BglII, BglI, XmnI, ScaI, XbaI, DraI, HinfI, RsaI, BstnI, MboI, EcoR5, KpnI, BstXI, StuI, ApaI, NdeI, HphI, TthI, BcLI, Sau96, HincII, BanI

MENDELIAN INHERITANCE: Co-dominant segregation in 15 informative families.

PROBE AVAILABILITY: This probe is freely available. Please contact Dr. D. Kurnit for distribution of the probe.

REFERENCE:

(1) Van Keuren, M.L., Hart, I.M., Kao, F., Neve, R.L., Bruns, G.A.P., Kurnit, D.M. and Patterson, D. (1987) Cytogenet. Cell Genet. 44: 142-147.