RFLP for an anonymous single copy clone at 16pter-16p13.1 [D16S127]

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SOURCE AND DESCRIPTION OF THE CLONE: 4 kb single copy insert subcloned in pKUN (1) after Pst I digestion of a cosmid from a hybrid cell line containing a single human chromosome 16 (CY 18)(2).

POLYMORPHISM: Taq I identifies a two allele polymorphism, F1 of 5.9 kb, F2 4.9 + 1 kb. Other restriction enzymes were not tested for polymorphism.

FREQUENCY: F1 56%, F2 44% among 18 unrelated individuals.

CHROMOSOMAL LOCALIZATION: Probe maps at 16pter-16p13.1 using a panel of somatic cell hybrids (2).

MENDELIAN INHERITANCE: Studied in several families with the adult form of polycystic kidney disease, the probe is loosely linked to the PKD1 gene (unpublished).

PROBE AVAILABILITY: Freely available, the probe will be submitted to the American Tissue Culture Collection.

OTHER COMMENTS: Cosmid clone containing approx. 40kb around the clone also available.

REFERENCES: 1. R.N.H. Konings et al., Gene 46:269-276 (1986)
2. D.F. Callen, Ann. Genet. 29:235-239 (1986)

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