Previously unreported NcoI RFLP for human CSF1R

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SOURCE/DESCRIPTION: The CSF1R probe, pcfms 104 is a 1234 bp insert cDNA clone in the EcoRI site (Coussens et al., 1986).

POLYMORPHISM: pcfms 104 identifies two invariant bands for NcoI-digested DNAs at 7.7 and 6.0 kb and a single, two-allele polymorphism with bands at 4.1 (allele N2) and 2.9 kb (allele N1). This clone also identifies a previously reported EcoRI polymorphism (Xu et al., 1985); however, these two RFLPs exhibit no significant correlation.

FREQUENCY: As determined from the NcoI digest of DNAs from 33 human cell lines from unrelated North American Caucasians.

4.1 kb band (allele N2)	0.20
2.9 kb band (allele N1)	0.80

NOT POLYMORPHIC FOR: HindIII, BamHI, EcoRV, SstI, PstI, PvuII, MspI, XbaI, XmaI, HinfI, BglII, ApaI, AluI.

CHROMOSOMAL LOCALISATION: This cDNA clone contains a 5' portion of the human CSF1R gene which was previously mapped to 5q33->5q34,

MENDELIAN INHERITANCE: Codominant segregation of the NcoI RFLP was observed in three two generation families.

PROBE AVAILABILITY: Obtained under agreement from Dr. Axel Ullrich, Genetech, Inc., South San Francisco, California, USA.

REFERENCES: Coussens, L., et al., Nature **320**: 277, 1986
Xu, D., et al., Proc. Natl. Acad. Sci. USA. **82**: 2862, 1985.

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