

## Letter to the Editor

### <sup>1</sup>H, <sup>13</sup>C and <sup>15</sup>N backbone resonance assignments of the DUF589 domain from human HSPC144 protein

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HSPC144 is a newly identified gene in human CD34<sup>+</sup> hematopoietic stem/progenitor cells (Zhang et al., 2000). The encoding protein shares 88% amino-acid similarity and 69% identity with chicken Thy28 protein which was thought to mediate avian lymphocyte apoptosis process (Compton et al., 2001). To gain further insight into structure–function relationship of HSPC144 protein, we have started NMR structure determination of the main domain (residues 54–221), namely DUF589, which is also highly conserved in Thy28 proteins. 2D and 3D heteronuclear NMR spectra were recorded on <sup>15</sup>N-labeled and <sup>13</sup>C/<sup>15</sup>N-labeled DUF589 samples. The <sup>1</sup>H, <sup>13</sup>C and <sup>15</sup>N backbone resonance assignments of DUF589 are nearly complete with the exception of several residues in two segments spanning Leu9-Ile24 and Ser63-Lys66, presumably because of line broadening due to slow conformational exchange. BMRB deposits with accession number 7022.

References: Zhang et al. (2000) *Genome Res.*, **10**, 1546–1560; Compton et al. (2001) *Apoptosis*, **6**, 299–314.

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**Supplementary material** is available to authorised users in the online version of this article at <http://dx.doi.org/10.1007/s10858-006-9038-5>.