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Letter to the Editor

NMR assignment of the human spliceosomal 15.5K protein

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15.5K is a prototypical example of a RNA K-turn binding protein, which has been shown to bind the 5′-U4 stem-loop of the spliceosome and the box C/D motif of the processome. Our interest in the physical origins of protein-RNA recognition has led us to study the structure of the free or uncomplexed form of 15.5K as a complement to the 15.5K-U4SL structure solved by X-ray crystallography (Vidovic et al. 2000). Investigations of the structure of the free protein have used a 15.5K construct consisting of an N-terminal 6 × His-tag followed by the full-length protein. The ^{1}H, ^{13}C, and ^{15}N assignments were determined from 2D and 3D heteronuclear NMR experiments at 20 °C. Backbone assignments are complete except for a portion of the N-terminal His-tag and the carbonyl atoms of E74 and V128. Aliphatic and aromatic assignments are >90% complete, notably missing H17 and H68 aromatic resonances and portions of L67, R97, K113, and S122.

BRMB deposit with Accession No. 7249.

Reference: Vidovic et al. (2000) *Mol. Cell*, **6**, 1331–1342.

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