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Letter to the Editor

^{1}H, ^{13}C and ^{15}N resonance assignments of the catalytic domain of the goldfish RICH protein

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Regeneration-induced CNPase homolog (RICH) is a 2′,3′-cyclic nucleotide 3′-phosphodiesterase induced during optic nerve regeneration in fish (Ballestero et al., 1997). The protein contains an N-terminal domain rich in negatively-charged residues and a catalytic C-terminal domain, which possesses sequence homology to the catalytic domain of mammalian brain 2′,3′-cyclic nucleotide 3′-phosphodiesterase (CNPase). The predicted structure of the RICH catalytic domain is similar to that of the CNPase catalytic domain (Sakamoto et al., 2005). We report here the nearly complete backbone and side-chain ^{1}H, ^{13}C, and ^{15}N assignments of the 24 kDa catalytic domain of goldfish RICH. These studies should contribute toward a better understanding of the molecular basis of nerve regeneration and help identify physiological substrates of 2′,3′-CNPases. The NMR assignments have been deposited in the BioMagResBank (accession number: 7167).

References: Ballestero et al. (1997) *J. Biol. Chem.*, **272**, 11479–11486; Sakamoto et al. (2005) *J. Mol. Biol.*, **346**, 789–800.

Alexey Yu. Denisov[a], Guennadi Kozlov[a], Michel Gravel[a], Tara Sprules[a], Peter E. Braun[a] and Kalle Gehring[a,b,*]

[a]*Department of Biochemistry, McGill University, Montreal, Quebec H3G 1Y6, Canada;* [b]*Quebec/Eastern Canada High Field NMR Facility, McGill University, Montreal, Quebec H3G 1Y6, Canada*

*To whom correspondence should be addressed. E-mail: kalle.gehring@mcgill.ca

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