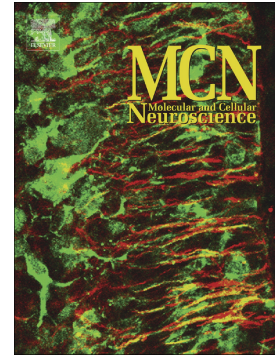


Accepted Manuscript

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PII: S1044-7431(18)30134-9
DOI: doi:[10.1016/j.mcn.2018.07.005](https://doi.org/10.1016/j.mcn.2018.07.005)
Reference: YMCNE 3334
To appear in: *Molecular and Cellular Neuroscience*
Received date: 24 April 2018
Revised date: 10 July 2018
Accepted date: 30 July 2018

Please cite this article as: Philippe Ducharme, Juan G. Zarruk, Samuel David, Joanne Paquin , The ferroxidase ceruloplasmin influences Reelin processing, cofilin phosphorylation and neuronal organization in the developing brain. *Ymcne* (2018), doi:[10.1016/j.mcn.2018.07.005](https://doi.org/10.1016/j.mcn.2018.07.005)

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The Ferroxidase Ceruloplasmin Influences Reelin Processing, Cofilin Phosphorylation and Neuronal Organization in the Developing Brain

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Abbreviations : ApoER2, apolipoprotein E receptor 2; Cp, ceruloplasmin; Dab1, Disabled-1; CUX1, Cut Like Homeobox 1; E, embryonic day; GPI, glycosylphosphatidylinositol; K, kDa; P, postnatal day; p-cofilin, phospho-cofilin; PW, postnatal week; SDS, sodium dodecylsulfate; TX, Triton X-100; VLDLR, very low-density lipoprotein receptor; WT, wild type.

HIGHLIGHTS

- Ceruloplasmin (Cp) and Reelin are expressed together in mouse developing brain
- 300K Reelin and phospho-cofilin are downregulated in developing Cp-null brain
- The cerebral cortex of Cp-null mice shows defect in layers II/III neurons

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