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ACCEPTED MANUSCRIPT

Pharmacological disruption of the MID1/ α 4 interaction reduces mutant Huntingtin levels in primary neuronal cultures

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Highlights

- Cerebellar granule neurons require nutrient replenishment to maintain expression of HTT in culture.
- Peptides derived from $\alpha 4$ disrupt the interaction between MID1 and $\alpha 4$.
- Disruption of the MID1 complex by peptides reduces pS6 and HTT expression in CGN cultures.

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