

#### **BAC-based cellular model for screening regulators of BDNF gene transcription**

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#### **CREB family transcription factors are major mediators of BDNF transcriptional autoregulation in cortical neurons**

Esvald, Eli-Eelika; Tuvikene, Jürgen; Sirp, Alex; Patil, Sudarshan; Bramham, Clive; Timmusk, Tõnis Journal of neuroscience

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#### **Differential regulation of Bdnf expression in cortical neurons by class-selective histone deacetylase inhibitors**

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#### **Efficient use of a translation start codon in BDNF exon I**

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#### **An 840 kb distant upstream enhancer is a crucial regulator of catecholamine-dependent expression of the BDNF gene in astrocytes**

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#### **Electrochemical sensor based on molecularly imprinted polymer for rapid quantitative detection of brain-derived neurotrophic factor**

Ayankojo, Akinrinade George; Boroznjak, Roman; Reut, Jekaterina; Tuvikene, Jürgen; Timmusk, Tõnis; Sõritski, Vitali

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#### **Neuronal-activity regulated gene expression : emphasis on BDNF**

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#### **An upstream enhancer and MEF2 transcription factors fine-tune the regulation of the Bdnf gene in cortical and hippocampal neurons**

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#### **Usage of bacterial artificial chromosomes for studying BDNF gene regulation in primary cultures of cortical neurons and astrocytes**

Jaanson, Kaido; Pärn, Angela; Timmusk, Tõnis Brain-derived neurotrophic factor (BDNF) 2019 / p. 13-25

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