Drug Discovery & Development

Plasmids And Cell Lines Expressing The DMPK 3'UTR

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The Invention

The UW Madison researchers' invention is a set of plasmid constructs and cell lines developed to investigate the effects of RNA toxicity in myotonic dystrophy. The inventor created two constructs linking GFP to the DMPK gene having the normal 5 CTG repeats in the 3' UTR or 200 CTG repeats in the UTR of the DMPK gene (mutant form). The cell lines were used to confirm RNA toxicity on muscle differentiation. These plasmids and cell lines are potentially useful tools for high throughput drug screenings to determine compounds aimed at treating RNA toxicity.

Tech Fields

- Drug Discovery & Development : Disease models
- Research Tools : Cell lines

For current licensing status, please contact Jennifer Gottwald at jennifer@warf.org or 608-960-9854