

## CHO GADD7 KNOCKDOWN CLONES AND CONTROL

---

[Brookheart, Rita, Schaffer, Jean](#)

[Zou, Dianxiong](#)

T-019114

### CHO Gadd7 knockdown cell lines

Inventors generated two stable Chinese Hamster Ovary (CHO) cell lines with knockdown of gadd7 by transfecting cells with a custom siRNA plasmid targeting hamster gadd7 (KD1 and KD2) and a control CHO cell line by transfecting cells with a custom scrambled siRNA plasmid (SCR). Following antibiotic selection (hygromycin B), clonal lines were isolated and characterized for Gadd7 knockdown and resistance to lipotoxicity. These cell lines can be used to study the role of gadd7 (a non-coding RNA) in cellular biology.

**Publication:** [The Non-coding RNA gadd7 Is a Regulator of Lipid-induced Oxidative and Endoplasmic Reticulum Stress](#)