siRNA knockdown

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MATERIALS

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Lipofectamine™ RNAiMAX Transfection Reagent Thermo Fisher Catalog #13778030

Silencer™ Select Negative Control No. 1 siRNA Thermo Fisher Scientific Catalog #4390843

Pre-designed Silencer® Select siRNAs against STIM1 (siRNA ID s531229)

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- 1 Seed cells in a 12 well plate to give approximately 70% confluency 24 h later.
- 2 Dilute 2 uL of Lipofectamine RNAiMAX transfection reagent in 50 uL Opti-MEM. (Volumes described for 1 well of 12 well plate).
- 3 Dilute 10 uM siRNA work stock in 50 uL Opti-MEM to give 10pmol/ml of siRNA per well. (Volumes described for 1 well of 12 well plate).

- 4** Combine the diluted Lipofectamine RNAiMAX transfection reagent with the diluted siRNA in a 1:1 ratio and incubate for 5 min at RT.

- 5** Add 100 uL of mix to the cells and incubate for 6 h. (Volumes described for 1 well of 12 well plate).

- 6** Remove media, wash with PBS and replace with fresh proliferation media.