Small RNA interference (siRNA)(S100A6-siRNA) and cell transfection

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Abstract

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Protocol

Step 1.
Shortly before transfection, seed 1×106 cells into each well of 6-well plates and cultured for 48 h.

Step 2.
For the short time until transfection, incubate the cells under normal growth conditions (typically 37°C and 5% CO2).

Step 3.
Cells were transfected with 7.5 µmol/L of each siRNA for 24 hrs in Opti-MEM medium without antibiotics and 5% fetal calf serum using Lipo-fectamine 2000 (Invitrogen, Carlsbad, USA)

Step 4.
Incubate for 5 min at room temperature (20°C) to allow theformation of transfection complexes.

Step 5.
Add the complexes drop-wise onto the cells. Gently swirl the plate to ensureuniform distribution of the transfection complexes.

Step 6.
Incubate the cells with the transfection complexes under their normalgrowth conditions, and monitor gene silencing after 48h. Changethe medium as required.