

EMU013201: Smc1a (structural maintenance of chromosomes 1a)

Validation using qRT-PCR:	
Knock-down rate:	88,73 ± 3,00
Cell line used:	Mouse ES cells (R1/E)
qRT-PCR primer used:	for: CGCCACAAGACAGTGGCGTT
	rev: AAGCCCGTGGGCCTGAGACT

Average of 3 biological replicates

RLUC: Mouse ES cells (R1/E) transfected with Renilla Luciferase esiRNA (RLUC, Cat.No. EHURLUC) as negative control. **Smc1a:** Mouse ES cells (R1/E) transfected with Smc1a esiRNA (Cat.No. EMU013201).

qRT-PCR: At 24h post-transfection, total RNA was isolated with an RNeasy Mini Kit (Qiagen) and reverse transcribed with SuperScript III reverse transcriptase (Invitrogen). Quantitative PCR reactions were carried out with the SYBR Green qPCR kit (Abgene) on a MX P3000 qPCR machine (Stratagene). Relative mRNA levels were calculated according to the $\Delta\Delta C_t$ method and normalized to the RLUC control; GAPDH was used as housekeeping reference gene.