

- Prolonged gene silencing
- Reduced off-target effects
- Gene Silencing Guarantee Service

At Riboxx we have developed and validated a new structure of siRNA with a special sequence motif (Figure 1). The riboxx® sequence motif increases the efficiency of the gene silencing by enhancing loading of the antisense strand to the RISC complex. As a consequence, much less siRNA are needed for an effective gene silencing with a subsequent reduction of off-target effects.

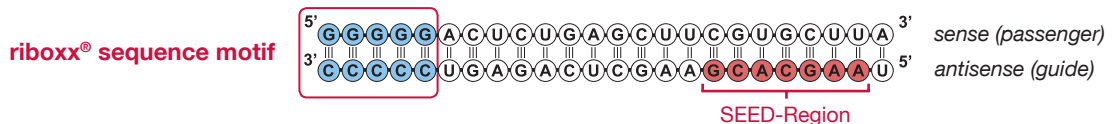


Figure 1. The IBONI® siRNA with the proprietary riboxx® sequence motif.

Prolonged Gene Silencing up to 12 days post-transfection

The IBONI® siRNA displays an increased resistance to cellular RNAses, implying a longer half-life. This translates in a prolonged gene silencing of up to 12 days post-transfection (Figure 2).

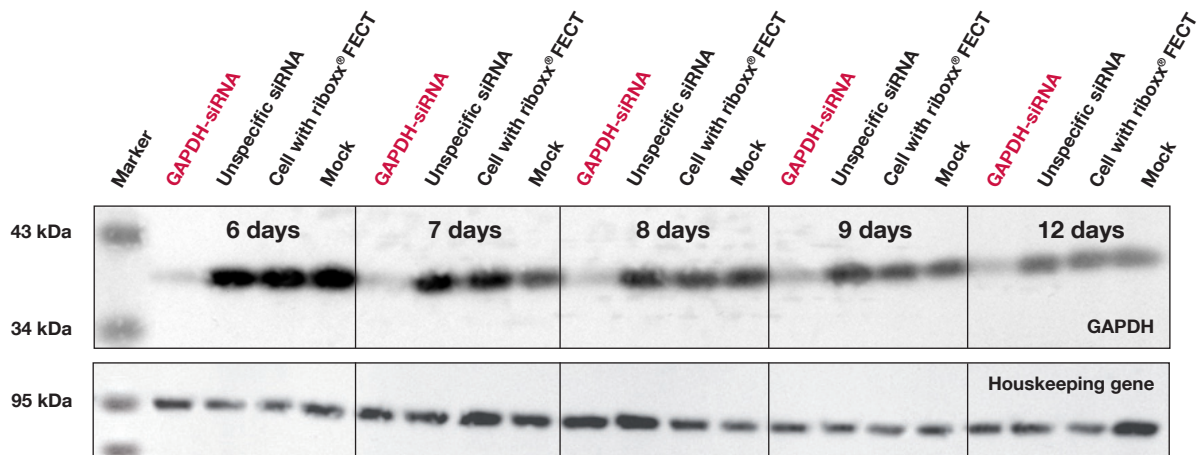


Figure 2. Prolonged silencing of GAPDH in HeLa cells. The IBONI® siRNA targeting the GAPDH gene was transfected using riboxx® FECT transfection reagent and gene silencing assessed by western blot at 6, 7, 8, 9 and 12 days. As a control, a housekeeping gene, as well as riboxx® FECT applied alone on the cells, an unspecific siRNA and a mock are shown. A silencing of GAPDH up to 12 days post-transfection was evidenced.

Gene Silencing Guarantee Service

Riboxx is dedicated to provide its customers with an all-round scientific and technical support, translating into the Gene Silencing Guarantee Service:

- By absence of gene silencing, re-design and re-synthesis of siRNA free of charge
- Storage of an aliquot of the siRNA for 6 weeks for stability control
- Aliquots of customized volumes and concentrations



IBONI® siRNA

Ordering Information

To meet your specific experimental needs, Riboxx offers a wide range of configurations of the IBONI® siRNA:

Product Name	Cat. No.	Quantity	Purification / QC
IBONI siRNA 4-duplexes	D-00101-0002	4-siRNA (5 nmol each) >1.0 OD each	PURE / IEX HPLC
IBONI siRNA 4-duplexes Plus	D-00101-PLUS	4-siRNA (5 nmol each) + 1 Neg. Kontr. (5 nmol) >1.0 OD each	PURE / IEX HPLC
IBONI siRNA 4-duplexes FLEX	D-00101-FLEX	4-siRNA (5 nmol each) >1.0 OD each	PURE / IEX HPLC
IBONI siRNA	D-00102-0002	1 siRNA (5 nmol) >1.0 OD	PURE / IEX HPLC
IBONI siRNA Plus	D-00102-PLUS	1 siRNA (5nmol) + 1 Neg. Kontr. (5nmol) >1.0 OD each	PURE / IEX HPLC
IBONI siRNA HT 96	D-00401-0096	1 nmol each >0.2 OD each	PURE / IEX HPLC

Order

Products & Services can be ordered by:

Fax: 0049 (0)351 83 36 01-39

E-Mail: order@riboxx.com

Online-Shop: www.riboxx.com

Support & Technical Assistance

For technical assistance please visit www.riboxx.com or contact us directly:

Phone: 0049 (0)351 83 36 01-0

Fax: 0049 (0)351 83 36 01-39

E-Mail: support@riboxx.com

Other Riboxx Products & Services

IVORI® - *IN VIVO* siRNA

- Maximal gene silencing
- Enhanced serum stability
- Less toxicity

IBONI® siRNA Control

- Pre-designed double-stranded RNA
- Successfully validated by independent scientists
- Positive and negative controls

riboxx® RNA

- 7 - 80 base pairs
- Scale up to 1 gram
- Modified or non-modified

riboxx® Custom siRNA Libraries

- Increased knock-down efficiency
- Enhanced RNase resistance
- Gene Silencing Guarantee Service

CONTRAmir™ - miRNA Inhibitor

- Pre-designed or custom
- Backbone modifications
- End modifications

CONmir™ - miRNA Mimic

- Pre-designed or custom
- Backbone modifications
- End modifications

riboxx® FECT (with Chromo-GAPDH-siRNA)*

- Powerful transfection reagent for siRNA, RNA, miRNA
- ***Control of transfection and gene silencing efficiency**
- For adherent cells or cells in suspension
- Perfect compatibility with riboxx® products

Additional Services

- Design of siRNA targets
- Additional purification
- Additional quality control
- **Special services on request**