# Green Fluorescent Protein (GFP) siRNA

Catalogue No.:abx941283

siRNA to inhibit Aequorea victoria Green Fluorescent Protein (GFP) expression using RNA interference.

**Target:** Green Fluorescent Protein (GFP)

**Tested Applications:** RNAi

**Host:** Synthetic

**Recommended dilutions:** Optimal dilutions/concentrations should be determined by the end user.

| Plate (wells) | Final Medium Volume (ml) | Final siRNA Concentration (nM) | 20 µM siRNA Volume (µl) | Lipofectamine 2000 Volume (µl) |
|---|---|---|---|---|
| 96 | 0.1 | 100 | 0.5 | 0.25 |
| | | 50 | 0.25 | 0.25 |
| | | 10 | 0.05 | 0.25 |
| 24 | 0.5 | 100 | 2.5 | 1 |
| | | 50 | 1.25 | 1 |
| | | 10 | 0.25 | 1 |
| 12 | 1 | 100 | 5 | 2 |
| | | 50 | 2.5 | 2 |
| | | 10 | 0.5 | 2 |
| 6 | 2 | 100 | 10 | 5 |
| | | 50 | 5 | 5 |
| | | 10 | 1 | 5 |

**Form:** Lyophilized

**Purity:** > 97%

**Quality Control:** Oligonucleotide synthesis is monitored base by base through trityl analysis to ensure appropriate coupling efficiency. The oligo is subsequently purified by affinity-solid phase extraction. The annealed RNA duplex is further analyzed by mass spectrometry to verify the exact composition of the duplex. Each lot is compared to the previous lot by mass spectrometry to ensure maximum lot-to-lot consistency.

**Storage:** Shipped at 4 °C. Store at -20 °C for up to one year.

**UniProt Primary AC:** P42212 (UniProt, ExPASy)

**Gene Symbol:** GFP

**Specificity:** GFP siRNA (Aequorea victoria) is a target-specific 19-23 nt siRNA oligo duplexes designed to knock down gene expression.

**Note:** This product is for research use only.




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**Directions for use:**

1. Before resuspending, briefly centrifuge the tube to ensure the lyophilized siRNA is at the bottom of the tube.
2. Resuspend the siRNA oligos to an appropriate concentration with DEPC water (e.g. resuspend one vial of 5 nmol siRNA oligo in 250 µl of DEPC water for a final concentration of 20 µM).
3. Transfect with 10 nM - 100 nM siRNA 48 to 72 hours prior to cell lysis.




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