



## eGFP circRNA

**Product Number: MR201**

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### Shipping and Storage

Store at -20°C with RNase Free Water as the storage buffer.

### Components

Component	MR201	MR201
eGFP circRNA(1mg/ml)	100µg	1mg

### Description

EGFP circRNA is a closed circular RNA synthesized in vitro, and its unique covalent closure structure prevents RNA from being degraded by exonucleases, resulting in higher biological stability compared to linear mRNA. EGFP circRNA encodes green fluorescent protein, with a maximum excitation/emission wavelength of 488nm/509nm. Transfection into cells can express enhanced green fluorescence, which can be used as a control to study transfection and expression in mammalian cells through various fluorescence based detection methods.

This product is a circular RNA synthesized using T7 High Yield RNA Transcription Kit (E131) transcription and type I intron self cleavage, with a sequence length of 1711nt.

### Features

1. Compared to linear mRNA, circular RNA can better resist RNA enzyme degradation.
2. Circular RNA has the characteristics of strong stability and long half-life.
3. Stable transfection efficiency.

### Application

1. As a reporting material for gene regulation and functional research.
2. Suitable for research on circRNA delivery, translation efficiency, cell viability, and in vivo imaging.

### Quality control

There is no residual RNA enzyme, and the expression efficiency test is qualified.