# CROYEZ Beta-galactosidase mRNA information

| Beta-galactosidase mRNA information | |
|---|---|
| mRNA Length: | 3443 nt |
| Cap Structure: | Cap 1 |
| Modified Bases: | Optional N1-Me-pUTP (N1-mψ) to increase stability and reduce immunogenicity |
| Purity: | by FPLC analysis |

β-Galactosidase is a glycoside hydrolase enzyme that catalyzes the hydrolysis of terminal, non-reducing β-D-galactose residues in β-D-galactosides.
The β-D-galactosidase assay is widely used in genetics, molecular biology, and other life science fields. The activity of β-galactosidase can be detected using X-gal, a synthetic substrate that produces a characteristic blue dye upon cleavage by the enzyme.

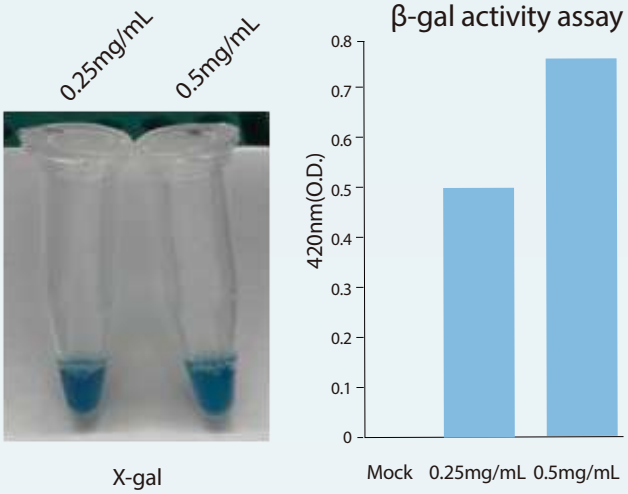



**Fig.1** After 24 h beta-gal mRNA transfection, 293 T lysates were collected and analyzed beta-galactosidase activity determined by X-gal assay. The 100 mL lysate was incubated with 0.25 mg/mL and 0.5 mg/mL X-gal for 18h.

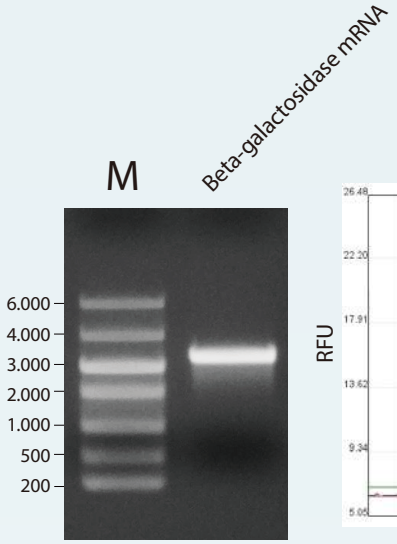



**Fig.2** 1 μL Beta-galactosidase mRNA , 65℃,15 min,1% TAE agarose gel, 110 V 30 min.

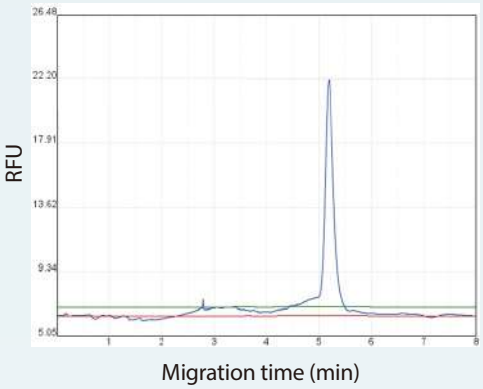
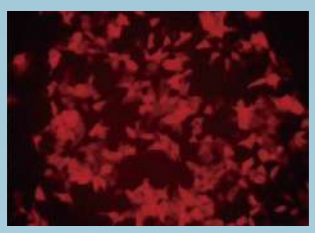



**Fig.3** Beta-galactosidase mRNA was analyzed by capillary electrophoresis

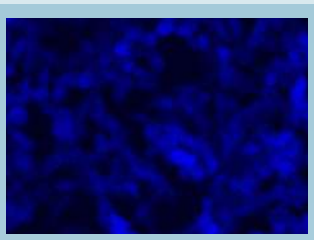
## Endosafe mRNA Transfection kit

Cat no: C15053K01/C15053-K02

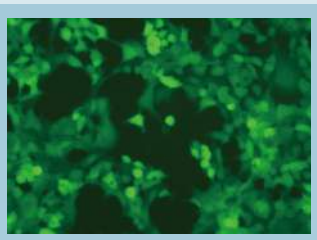
**Features**
- Low Toxicity
- Compatibility
- Easy Protocol
- High Efficiency



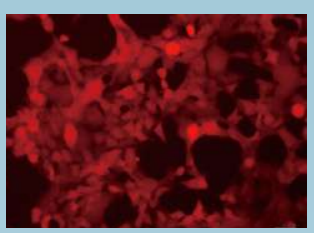
mCherry mRNA(m1ψ)
CR00020



BFP mRNA
CR00022



GFP mRNA(m1ψ)
CR00015



tdTomato mRNA(m1ψ)
CR00028