

Protocol for Beyotime™ RG027 Dual Luciferase Reporter Gene

Assay Kit

1. Prepare the reagent:

Dissolve the Firefly Luciferase and the Renilla Luciferase until the indoor temperature;

Store the coelenterazine at the ice bath or ice box for future use;

Mix the coelenterazine and Renilla Luciferase.(1:100)

2. Lyse the cells:

For adherent cells:

Aspirate the medium from the cells ;

Add cell lysis buffer into the cell.

For suspension cells:

Centrifuge and aspirate the filtrate;

Add cell lysis buffer into the cell.

The Microplate well	96	48	24	12	6
Cell lysis buffer(ul/well)	100	150	200	300	500

3. Centrifuge the cells suspension at 10000-15000g for 3-5 minutes and reserve the supernatant;

4. Get sample(20-100ul) from the supernatant

5. Add 100ul Firefly Luciferase into the sample's supernatant;

6. Detect the sample'RLU via the chemiluminescence apparatus;

7. Add 100ul the mixture of the coelenterazine and Renilla Luciferase;

8. Detect the sample'sRLU via the chemiluminescence apparatus.