

# Gaussia Luciferase Receptor Gene Assay Kit

**Cat. No.** Kit-0357    **Lot. No.** (See product label)

## SPECIFICATION

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| <b>Product Overview</b>        | Gaussia Luciferase Receptor Gene Assay Kit is a luminogenic assay for the quantification of luciferase activity in cell medium.                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>             | The most versatile reporter gene is the firefly luciferase. Recently there is steadily increasing use of other luciferases, such as Gaussia luciferase since these reporters are smaller and do not require the presence of ATP. The bioluminescent enzyme derived from the marine copepod Gaussia prince is efficiently secreted from mammalian cells upon expression. Gaussia luciferase is a 20 kDa protein which catalyzes coelenterazine oxidation by oxygen to produce light. |
| <b>Applications</b>            | Gaussia Luciferase Receptor Gene Assay Kit use a proprietary luminogenic formulation to quantify luciferase activity in cell medium.                                                                                                                                                                                                                                                                                                                                                |
| <b>Usage</b>                   | For research use only (RUO)                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>                 | Store the kit at -20°C and avoid from light.                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Kit Components</b>          | Component A: Luciferase Substrate (Light-sensitive) 1 vial<br>Component B: Reaction Buffer 50 µl<br>Component C: Assay Buffer 5 ml                                                                                                                                                                                                                                                                                                                                                  |
| <b>Detection method</b>        | Luminescence                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Compatible Sample Types</b> | Adherent cells, Non-adherent cells                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA