

## Active Recombinant Gaussia Luciferase Protein

Cat. No. Luciferase-104G Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant in secretion system giving higher specific activity compared to E.coli expression due to optimized folding conditions Gaussia Luciferase Enzyme.
<b>Species</b>	Gaussia
<b>Description</b>	Gaussia Luciferase is a new reporter gene isolated from the marine copepod Gaussia princeps.
<b>Form</b>	White lyophilized powder
<b>Bio-activity</b>	Tested towards internal standard, recommended CTZ concentration for luminometer: 50-100 $\mu$ M
<b>Applications</b>	Positive control in luminometer assays
<b>Storage</b>	Store dry powder at -20 centigrade or below, store reconstituted protein at -80 centigrade, avoid repeated freezing
<b>Storage Buffer</b>	TBS or Gaussia dilution buffer (recommended) included product
<b>Reconstitution</b>	Suggested as 1 mg/mL in TBS, pH 7.8

### GENE INFORMATION

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**Official Symbol** Luciferase

**Synonyms** Luciferase; Gaussia luciferase; GLuc

**SDS Gel**

1  $\mu$ L of 1 mg/mL solution of GLuc was mixed with 2x Laemmli buffer (with and without reducing agent), boiled and directly applied onto a 4-20% SDS gel.

**Electrophoresis**

Note: BSA-Fraction V was used as purity control (>98.5%). Molecular weights of a marker standard are listed on the left.

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