Active Recombinant Gaussia Luciferase Protein

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

SPECIFICATION

Product Overview	Recombinant in secretion system giving higher specific activity compared to E.coli expression due to optimized folding conditions Gaussia Luciferase Enzyme.
Species	Gaussia
Description	Gaussia Luciferase is a new reporter gene isolated from the marine copepod Gaussia princeps.
Form	White lyophilized powder
Bio-activity	Tested towards internal standard, recommended CTZ concentration for luminometer: 50-100 μM
Applications	Positive control in luminometer assays
Storage	Store dry powder at -20 centigrade or below, store reconstituted protein at -80 centigrade, avoid repeated freezing
Storage Buffer	TBS or Gaussia dilution buffer (recommended) included product
Reconstitution	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 Electrophoresis	1 μL of 1 mg/mL solution of GLuc was mixed with 2× Laemmli buffer (with and without reducing agent), boiled and directly applied onto a 4-20% SDS gel. 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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