

## Recombinant Full Length Photuris pensylvanica (Firefly) Luciferase, Thermostable, His tagged

Cat. No. Luciferase-014P Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant thermostable variant of Photuris pensylvanica (Firefly) Luciferase, also known as Luciferin 4-monooxygenase. Full length, encompassing amino acids 1-545(end). This construct contains a C-terminal His-tag (6xHis) The recombinant protein was affinity purified.
<b>Species</b>	Firefly
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-545 aa
<b>Description</b>	Produces green light with a wavelength of 562 nm.
<b>Form</b>	Aqueous buffer solution.
<b>Molecular Mass</b>	61 kDa
<b>Purity</b>	≥ 90%
<b>Notes</b>	Thaw on ice and gently mix prior to use. DO NOT VORTEX. Perform a quick spin before opening. Aliquot into small volumes and flash freeze for long term storage. Avoid multiple freeze/thaw cycles.
<b>Storage</b>	At least 6 months at -80 centigrade.

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**Storage Buffer** 40 mM Tris-HCl pH 8.0, 110 mM NaCl, 2.2 mM KCl, 150 mM Imidazole and 20% glycerol.

**Shipping** At -80 centigrade

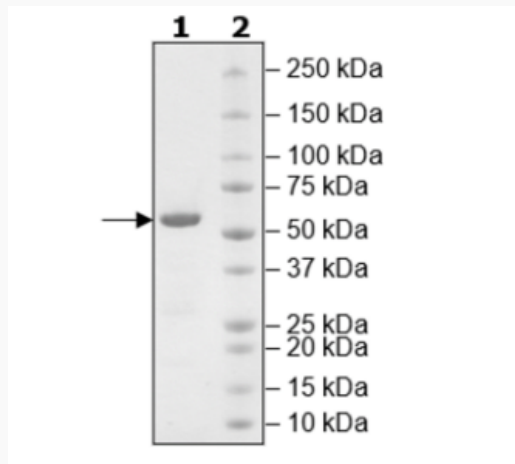
**Reference** 1. DE Wet, J.R., et al., Molec. Cell. Bio. 1987 Feb; 7(2):725-737. 2. Brasier, AR., et al., Euro. PMC. 1989 Oct; 7(10):1116-1122.

## GENE INFORMATION

**Synonyms** Luciferase; Luciferin 4-monooxygenase; EC:1.13.12.7

**UniProt ID** [Q27757](https://www.uniprot.org/entry/Q27757)

**WB**



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