

Recombinant Firefly LOC116160065 Protein

Cat. No. LOC116160065-006F **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Firefly LOC116160065 protein without tag was expressed in E.coli
Species	Firefly
Source	E.coli
Description	Luciferase from the firefly has become one of the more widely used reporter proteins for the study of gene expression. Luciferase catalyzes a bioluminescent reaction which requires the substrate luciferin as well as Mg ²⁺ and ATP. Mixing these reagents with the cell extract containing luciferase, results in a flash of light that decays rapidly. This light can be detected by a luminometer. The total light emission is proportional to the luciferase activity of the sample.
Purity	≥95% estimated by SDS-PAGE
Stability	≥ 2 years
Storage	-20 centigrade
Storage Buffer	A liquid (1 mg/ml in 50 mM Tris buffer with 30% glycerol, pH 7.5)
Shipping	Room Temperature in continental US, may vary elsewhere.

GENE INFORMATION

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Gene Name	LOC116160065 luciferin 4-monooxygenase [Photinus pyralis (common eastern firefly)]
Official Symbol	LOC116160065
Synonyms	LOC116160065; luciferin 4-monooxygenase; luc; LUC1; PpyLuc1; luciferase; luciferin 4-monooxygenase; firefly luciferase; luciferase 1
Gene ID	116160065
mRNA Refseq	XM_031473197
Protein Refseq	XP_031329057

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