

PRODUCT COMPONENTS LIST: Bidirectional Secreted Luciferase System

CATALOG NO.	SIZE
631757	each

DESCRIPTION

The Bidirectional Secreted Luciferase System includes a bidirectional expression vector (pBI-CMV5) designed to constitutively express a protein of interest and the secreted reporter protein *Metridia* luciferase (MetLuc), and the Ready-To-Glow™ Secreted Luciferase Reporter Assay.

The pBI-CMV5 vector is designed to constitutively express a protein of interest and a secreted reporter (*Metridia* luciferase, or MetLuc). The gene of interest must contain an initiation codon and a stop codon. Protein expression is driven by one of two constitutively active human cytomegalovirus promoters: $P_{CMV\ IE}$ drives the expression of the protein of interest, and P_{minCMV} drives the expression of MetLuc.

When MetLuc is secreted into the surrounding medium, it is easily detected with the Ready-To-Glow Secreted Luciferase Reporter Assay via a one-step reaction which is performed using the supernatant of transfected cells, without the need for cell lysis.

PACKAGE CONTENTS

- pBI-CMV5 Vector
(Cat. No. 632547; not sold separately)
- Ready-To-Glow Secreted Luciferase Reporter Assay
(Cat. No. 631726)

Note: For more information, please see the Certificate of Analysis supplied with each component.

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