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PRODUCT COMPONENTS LIST: Ready-To-Glow™ CRE Secreted Luciferase Reporter System

CATALOG No.	SIZE
631745	100 reactions

DESCRIPTION

Our Ready-To-Glow CRE Secreted Luciferase Reporter System, based on the secreted *Metridia* luciferase reporter, consists of two separate kits—the Ready-To-Glow Secreted Luciferase Reporter Assay and the Ready-To-Glow pCRE-MetLuc Vector Kit. The pCRE-MetLuc Vector Kit includes two vectors: a pMetLuc2-Control Vector and a pCRE-MetLuc2-Reporter Vector. The reporter vector is designed to monitor the activation of cAMP binding protein (CREB) and cAMP-mediated signal transduction pathways by quickly sampling the media supernatant. For example, treatment of cells with cAMP or forskolin activates CREB or ATF to bind CRE, thus initiating transcription of the secreted *Metridia* luciferase reporter gene. Detecting promoter activity is made simple with the Ready-To-Glow Secreted Luciferase Reporter Assay, which has been optimized for use with the pCRE-MetLuc Vector Kit. A one-step reaction allows monitoring of promoter activation by detecting the activity of the secreted reporter enzyme in the supernatant of transfected cells, without the need for cell lysis.

PACKAGE CONTENTS

Cat. No. 631745 (100 reactions)

- Ready-To-Glow™ Secreted Luciferase Reporter Assay (100 rxns)
(Cat. No. 631726)
- Ready-To-Glow™ pCRE MetLuc Vector kit
(Cat. No. 631744; not sold separately)



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