



# GUS Protocols: Using the GUS Gene as a Reporter of Gene Expression

From Academic Press



## GUS Protocols: Using the GUS Gene as a Reporter of Gene Expression From Academic Press

The *gb*-glucuronidase (GUS) gene is extremely useful as a reporter of the expression of introduced genes and can be used in organisms where other reporter genes are useless. Thus, the GUS gene is the reporter gene of choice for transgenic plant research. Not only can this assay be used to detect whether a gene is being expressed, but it can be used to determine the location of the gene product within cells. Low cost is another advantage of this assay.

GUS Protocols provides instructions and essential background information that will enable researchers to effectively use the GUS gene as a reporter of the expression of introduced genes.

### Key Features

- \* First book on the GUS reporter system
- \* Up-to-date reference lists following each of the fourteen chapters
- \* Comb-bound for convenient bench-top use
- \* Written by leading authorities including R.A. Jefferson, inventor of the GUS assay
- \* Illustrated with color
- \* Easy-to-follow procedures for
- \* Using the GUS system in both plants and animals
- \* GUS detection by fluorometric, spectrophotometric, and histochemical methods
- \* Fast, automated assays

### Background information on

- \* The *gb*-glucuronidase reaction
- \* Substrates
- \* Instrumentation
- \* Construction of GUS fusion vectors

 [Download GUS Protocols: Using the GUS Gene as a Reporter of ...pdf](#)

 [Read Online GUS Protocols: Using the GUS Gene as a Reporter ...pdf](#)



# **GUS Protocols: Using the GUS Gene as a Reporter of Gene Expression**

*From Academic Press*

## **GUS Protocols: Using the GUS Gene as a Reporter of Gene Expression** From Academic Press

The *gb*-glucuronidase (GUS) gene is extremely useful as a reporter of the expression of introduced genes and can be used in organisms where other reporter genes are useless. Thus, the GUS gene is the reporter gene of choice for transgenic plant research. Not only can this assay be used to detect whether a gene is being expressed, but it can be used to determine the location of the gene product within cells. Low cost is another advantage of this assay.

GUS Protocols provides instructions and essential background information that will enable researchers to effectively use the GUS gene as a reporter of the expression of introduced genes.

### **Key Features**

- \* First book on the GUS reporter system
- \* Up-to-date reference lists following each of the fourteen chapters
- \* Comb-bound for convenient bench-top use
- \* Written by leading authorities including R.A. Jefferson, inventor of the GUS assay
- \* Illustrated with color
- \* Easy-to-follow procedures for
- \* Using the GUS system in both plants and animals
- \* GUS detection by fluorometric, spectrophotometric, and histochemical methods
- \* Fast, automated assays

### **Background information on**

- \* The *gb*-glucuronidase reaction
- \* Substrates
- \* Instrumentation
- \* Construction of GUS fusion vectors

## **GUS Protocols: Using the GUS Gene as a Reporter of Gene Expression** From Academic Press

### **Bibliography**

- Sales Rank: #10872961 in Books
- Published on: 1992-03-24
- Released on: 1992-03-10
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x .59" w x 6.00" l, .76 pounds
- Binding: Plastic Comb
- 221 pages

 [Download GUS Protocols: Using the GUS Gene as a Reporter of ...pdf](#)

 [Read Online GUS Protocols: Using the GUS Gene as a Reporter ...pdf](#)

## Download and Read Free Online GUS Protocols: Using the GUS Gene as a Reporter of Gene Expression From Academic Press

---

### Editorial Review

#### Review

"This manual does an excellent job of demonstrating both the power and the versatility of the GUS system in plants... If you think the GUS system may be of use to your studies, this text provides a broad range of protocols, practical tips, and limitations to help use the system efficiently."

--ANALYTICAL BIOCHEMISTRY

"**Gus Protocols** is a laboratory manual that will be of great value to the researcher."

--TRENDS IN BIOTECHNOLOGY

#### From the Back Cover

The *b*-glucuronidase (GUS) gene is extremely useful as a reporter of the expression of introduced genes and can be used in organisms where other reporter genes are useless. Not only can this assay be used to detect whether a gene is being expressed, but it can be used to determine the location of the gene product within cells.

GUS Protocols provides instructions and essential background information that will enable researchers to effectively use the GUS gene as a reporter of the expression of introduced genes.

#### Key Features and Benefits

- \* Written by leading authorities
- \* Foreword by R.A. Jefferson, inventor of the GUS assay
- \* Up-to-date reference lists following each of the fourteen chapters
- \* Illustrated with nineteen full-color photographs
- \* Offers clearly written, straightforward, easy-to-follow procedures for
- \* Using the GUS system in both plants and animals
- \* GUS detection by fluorometric, spectrophotometric, and histochemical methods
- \* Fast, automated assays
- \* Provides background information on
- \* The *b*-glucuronidase reaction
- \* Substrates
- \* Instrumentation
- \* Construction of GUS fusion vectors

Excerpt. © Reprinted by permission. All rights reserved.

The first book on the GUS reporter system.

### Users Review

#### From reader reviews:

##### Patricia Glover:

In this 21st millennium, people become competitive in every single way. By being competitive today, people have to do something to make these individuals survive, being in the middle of the particular crowded place and notice by simply surrounding. One thing that sometimes many people have underestimated that for a while is reading. Yep, by reading a publication your ability to survive enhance then having chance to remain than other is high. For you personally who want to start reading any book, we give you this GUS Protocols:

Using the GUS Gene as a Reporter of Gene Expression book as beginning and daily reading publication. Why, because this book is greater than just a book.

**Randall Briggs:**

Now a day folks who Living in the era just where everything reachable by talk with the internet and the resources within it can be true or not involve people to be aware of each information they get. How individuals to be smart in acquiring any information nowadays? Of course the answer then is reading a book. Examining a book can help folks out of this uncertainty Information specifically this GUS Protocols: Using the GUS Gene as a Reporter of Gene Expression book because book offers you rich facts and knowledge. Of course the info in this book hundred % guarantees there is no doubt in it you know.

**Brooke Gafford:**

Information is provisions for folks to get better life, information presently can get by anyone in everywhere. The information can be a information or any news even restricted. What people must be consider while those information which is inside former life are challenging be find than now could be taking seriously which one would work to believe or which one typically the resource are convinced. If you get the unstable resource then you obtain it as your main information it will have huge disadvantage for you. All of those possibilities will not happen in you if you take GUS Protocols: Using the GUS Gene as a Reporter of Gene Expression as the daily resource information.

**Eddie Patten:**

The book GUS Protocols: Using the GUS Gene as a Reporter of Gene Expression will bring someone to the new experience of reading some sort of book. The author style to spell out the idea is very unique. If you try to find new book to learn, this book very acceptable to you. The book GUS Protocols: Using the GUS Gene as a Reporter of Gene Expression is much recommended to you you just read. You can also get the e-book in the official web site, so you can more readily to read the book.

**Download and Read Online GUS Protocols: Using the GUS Gene as a Reporter of Gene Expression From Academic Press  
#3ZVI82HAWMS**

# **Read GUS Protocols: Using the GUS Gene as a Reporter of Gene Expression From Academic Press for online ebook**

GUS Protocols: Using the GUS Gene as a Reporter of Gene Expression From Academic Press Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read GUS Protocols: Using the GUS Gene as a Reporter of Gene Expression From Academic Press books to read online.

## **Online GUS Protocols: Using the GUS Gene as a Reporter of Gene Expression From Academic Press ebook PDF download**

**GUS Protocols: Using the GUS Gene as a Reporter of Gene Expression From Academic Press Doc**

**GUS Protocols: Using the GUS Gene as a Reporter of Gene Expression From Academic Press Mobipocket**

**GUS Protocols: Using the GUS Gene as a Reporter of Gene Expression From Academic Press EPub**