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## PRODUCT COMPONENTS LIST: Retro-X™ Universal Packaging System

**CATALOG No.**  
631530

### DESCRIPTION

This kit provides a complete retroviral vector packaging system for use with any retroviral vector. It is designed to produce virus that can infect dividing cells from a broad range of mammalian and nonmammalian cell types. The GP2-293 Packaging Cell Line contains only the MoMuLV *gag* and *pol* genes. The viral envelope portion of the packaging function (*env* gene) is supplied by transiently co-transfecting one of the Retro-X Universal Packaging Vectors (p10A1, pAmpho, pEco, or pVSV-G) with the retroviral vector. The pQCLIN Retroviral Vector (included in the vector set) can be used as a positive control to constitutively express  $\beta$ -galactosidase in transduced mammalian cells.

### PACKAGE CONTENTS

- GP2-293 Packaging Cell Line (Cat. No. 631458)
- Retro-X Universal Packaging Vector Set (Cat. No. 631457)

### PRODUCT USER MANUALS

User manuals for Clontech products are available for download at [www.clontech.com/manuals](http://www.clontech.com/manuals). The following user manuals apply to this product:

- Retroviral Gene Transfer and Expression User Manual (PT3132-1)
- pAmpho Vector Information (PT3750-5)
- pEco Vector Information (PT3749-5)
- pVSV-G Vector Information (PT3343-5)
- p10A1 Vector Information (PT3748-5)

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



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