



LacZ Lentiviral Particles

Viral particles encoding LacZ driven by EF1a promoter are ready for incubation with target cells.

Allele LacZ Lentiviral Particles are LacZ-expressing lentiviral particles that have been titered and validated for expression in human cells. Viral Particles are ready for incubation with target cells, allowing for expression of the LacZ gene and in turn production of β -galactosidase. Lentiviral infection has advantages over other gene-delivery methods, including high-efficiency infection of dividing and non-dividing cells, long-term stable expression of transgenes, and low immunogenicity.

Features

- ◆ Viral particles ready for transduction
- ◆ Higher viral titer than other lentiviral vectors
- ◆ Reliable expression levels
- ◆ Self-inactivating for laboratory safety

Safety Information

Lentiviral vectors should be handled using NIH BSL-2 safety guidelines. For more information, please see Biosafety in Microbiological and Biomedical Laboratories (4th edition) which is available on the Web sites of the National Institutes of Health at:

<http://bmbi.od.nih.gov>

Related Products

◆ Protein Storage and Extraction Reagents

- ◆ AlleleExtract-B Protein Reagent
- ◆ AlleleExtract-M Protein Reagent
- ◆ Insect Lysis Buffer: 5x Insect Lysis Buffer (with Protease Inhibitor)

◆ Pluripotency Reporter Lentiviral Particles

- ◆ Set: Nanog, Oct-4 and Rex1
- ◆ Any individual promoter in the set

Box 1 | Product Info

Content	Vials
Cat#: ABP-RP-TLCLACZL	
1x10 ⁷ TU in 0.1ml per vial, ~1x10 ⁸ TU/ml total of infectious but replication incompetent lentivirus.	5
Storage	
-80°C, avoid repeated freeze thaw cycles	

Quality Assurance:

Each batch of lentiviral particles have been functionally validated to express LacZ.

Lentiviral vector design and virus packing techniques used to create this product are covered by several United States patents of which rights to use have been granted to Allele Biotech, contact vivec@allelebiotech.com or call 858-587-6645 for details.

Recommended Use

1. Seed desired target cells at 8 x 10⁵ cells per 100 mm dish 1 day before transduction.
2. Transfer Allele Lentiviral Particles to the target cell dish, and incubated overnight.
3. 24 hours after transduction, replace virus containing medium with a new batch.
4. Analyze cells and β -galactosidase levels.

For Research Use Only. Not for Diagnostic or Therapeutic Use.

Purchase does not include or carry any right to resell or transfer this product either as a stand-alone product or as a component of another product. Any use of this product other than the permitted use without the express written authorization of Allele Biotech is strictly prohibited.