

Linear Puromycin Marker

Catalog No.

631626

Amount2 μ g**Lot Number**

Specified on product label.

Description

Linear Puromycin Marker is a short ds DNA fragment consisting of the puromycin resistance gene regulated by the SV40 promoter and ending with the SV40 polyadenylation signal. The 1.8 kb marker is compatible with any expression vector (including Tet System vectors) for generating stable transfectants using CalPhos™ transfection reagent or a liposome-mediated transfection protocol.

Package Contents

- 40 μ l Linear Puromycin Marker (50 ng/ μ l)

Storage Conditions

- Store at -20°C .

Expiration Date

- Specified on product label.

Shipping Conditions

- Dry ice

Cotransfection Ratio

- The optimal ratio of marker DNA to expression vector DNA is 1:10–1:20 using CalPhos transfection reagent or a liposome-mediated transfection method.

Product Documents

Documents for our products are available for download at takarabio.com/manuals

Quality Control Data

- Digestion with *Hind III/Xba I* restriction enzymes produced fragments of 0.75, 0.6 & 0.45 kb.
- As a functional test, HEK 293 cells were transfected with 200 ng Linear Puromycin Marker using a liposome-mediated transfection method. After 5 hr at 37°C , the transfection solution was removed, and cells were given fresh media. 48 hr later, cells were plated in two 10 cm plates. 48 hr after plating, media containing puromycin was added to the plates. After 2–3 weeks, a total of >20 clones was identified.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

Takara Bio USA, Inc.

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Our products are to be used for **Research Use Only**. They may not be used for any other purpose, including, but not limited to, use in humans, therapeutic or diagnostic use, or commercial use of any kind. Our products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without our prior written approval.

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