

pCMV DsRed-Express2 Vector

Catalog No.

632539

Amount

20 µg

Lot Number

Specified on product label.

Description

pCMV DsRed-Express2 is designed for whole-cell labeling or to be used as a cotransfection marker in mammalian cells; the red fluorescence of DsRed-Express2 can be detected by fluorescence microscopy or flow cytometry, providing direct visual evidence of transfection, or the ability to monitor cells after transplantation experiments in vivo. After cotransfection with pCMV DsRed-Express2 and an expression construct of interest, cells can also be sorted by flow cytometry to enrich for transfected cells. pCMV DsRed-Express2 Vector can be transfected into mammalian cells using any standard transfection method. If required, stable transfectants can be selected using G418.

Package Contents

- 20 µg pCMV DsRed-Express2 Vector

Storage Conditions

- Store plasmids at -20°C.
- Spin briefly to recover contents.
- Avoid repeated freeze/thaw cycles.

Expiration Date

- Specified on product label.

Storage Buffer

- 10 mM Tris-HCl (pH 8.0), 1 mM EDTA (pH 8.0)

Concentration

- 500 ng/µl

Shipping Conditions

- Dry ice

Product Documents

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

The following documents apply to this product:

- pCMV DsRed-Express2 Vector Information

Propagation in *E. coli*

- Selectable marker: Plasmids confer resistance to kanamycin (50 µg/ml) in *E. coli* hosts.

Takara Bio USA, Inc.

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Quality Control Data

Plasmid Identity & Purity

- Digestion with the indicated restriction enzymes produced fragments of the indicated sizes on a 0.8% agarose/EtBr gel:

Vector	Enzymes	Fragments
pCMV DsRed-Express2	AgeI	4.6 kb
	ApaI	3.6 & 1.0 kb

- Vector identity was confirmed by sequencing.
- A₂₆₀/A₂₈₀: 1.8–2.0

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

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