

Plasmid pL0015, for Transfection in *Plasmodium berghei*

Catalog No. MRA-784

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

MRA-784 is a *Plasmodium berghei* (*P. berghei*) transformation plasmid, pDEFexp230pdCO, used for replacement (double crossover) with the *Toxoplasma gondii* dihydrofolate reductase-thymidylate synthase (*tgdhfr/ts*) selectable marker.¹ Plasmid pL0015 contains a *pbeef1aa*-promoter driven expression cassette. The targeted integration locus is *pb230p*.¹

The resulting size of the plasmid is approximately 9950 base pairs. A plasmid map is provided in Figure 1.¹ The complete plasmid sequence is provided on the Certificate of Analysis for MRA-784.

Material Provided:

Each vial contains approximately 0.2 µg of plasmid DNA in 10 mM Tris-HCl, pH 8.5. The amount per vial and concentration are shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

Packaging/Storage:

MRA-784 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on dry ice and should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be minimized.

Note: MRA-784 was not provided in ethylenediamine-tetraacetic acid (EDTA); for long-term storage, EDTA may be added to a final concentration of 1 mM.

Citation:

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Plasmid pL0015, for Transfection in *Plasmodium berghei*, MRA-784, contributed by Andrew P. Waters.”

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and

Prevention, and National Institutes of Health. [Biosafety in Microbiological and Biomedical Laboratories](#). 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmb15/index.htm.

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References:

1. Waters, A. P., Personal Communication.

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Figure 1: Plasmid Map of pL0015

