

Product Information Sheet for MRA-784

Plasmid pL0015, for Transfection in *Plasmodium berghei*

Catalog No. MRA-784

For research use only. Not for use in humans.

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 plasmid is approximately 9950 base pairs and contains an ampicillin resistance marker for transformant selection in *E. coli*. The complete plasmid sequence and map are provided on the BEI Resources webpage.

Material Provided:

Each vial of MRA-784 contains plasmid DNA in 10 mM Tris-HCl, pH 8.5 buffer. The DNA concentration and volume provided are shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

Packaging/Storage:

MRA-784 was packaged aseptically in 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 (BMBL). Current Edition. Washington, DC: U.S. Government Printing Office.

Disclaimers:

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References:

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

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