

Plasmid pL0015, for Transfection in *Plasmodium berghei*

Catalog No. MRA-784

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. Plasmid pL0015 contains a *pbeef1aa*-promoter driven expression cassette. The targeted integration locus is *pb230p*. MRA-784 lot 70002448 was produced from a preparation of MR-MRA-784 lot 4734023, extracted using a QIAprep® Spin Miniprep Kit (QIAGEN® 27104) and vialled in EB buffer (10 mM Tris-HCl, pH 8.5).

Lot: 70002448

Manufacturing Date: 21NOV2019

TEST	SPECIFICATIONS	RESULTS
Next-Generation DNA Sequencing ¹ MRA-784 (~ 8460 base pairs); Figure 1	Report results	Aligns to depositor's sequence
Concentration by PicoGreen® Measurement ²	Report results	0.2 µg in 20 µL per vial (10 µg/mL)
Amount	Report results	~ 200 ng per vial
OD ₂₆₀ /OD ₂₈₀ Ratio	1.7 to 2.1	1.9

¹Illumina® MiSeq® sequence was analyzed with CLC Genomics Workbench and assembled using the depositor's predicted sequence as the reference sequence. Sequencing results do not include the complete plasmid sequence.

²Testing completed on material prior to vialing and freezing.

Figure 1: Plasmid Sequence of MRA-784

>MRA-784 lot 70002448 plasmid sequence

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TTTTCTTCAATTTTCGATGGGTACCGAGCTCGAATTCCTTGAGCCCGTTAATGAAATAGATACAATTCATTCATGTTATATACATCTAGAACATAA
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Certificate of Analysis for MRA-784

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