

Plasmid pBART1G6, for Transfection in *Plasmodium berghei*

Catalog No. MRA-1263

Product Description:

MRA-1263 is a *Plasmodium berghei* (*P. berghei*) adaptable transfection vector (pBAT) containing the two target sequences for integration in the silent intergenic locus on *P. berghei* chromosome 6 (SIL6) to be used for stable transgene integration. The deposited plasmid was transformed into *E. coli* (XL1-Blue), grown in Luria-Bertani broth with ampicillin (50 µg/mL) at 37°C in an aerobic atmosphere, extracted and vialled in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 8.0).

Lot: 63435837

Manufacturing Date: 10APR2015

TEST	SPECIFICATIONS	RESULTS
Next-Generation DNA Sequencing	~ 10,830 base pairs	10,824 base pairs ¹
Antibiotic Resistance Ampicillin (encoded by beta-lactamase gene <i>bla</i>)	<i>bla</i> sequence present	<i>bla</i> sequence present
Concentration	≥ 2 µg/mL	0.5 µg in 50 µL/vial (10 µg/mL)
Amount per Vial	Report results	0.5 µg/vial
OD₂₆₀/OD₂₈₀ Ratio (pre-vial)	1.7 to 2.1	1.9

¹The sequence exhibited 99.9% homology to GenBank: [JX099568.2](https://www.ncbi.nlm.nih.gov/nuclot/JX099568.2).

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