

## Certificate of Analysis

**Product Name:** Methylated Rat Genomic DNA Control

**Cat #:** D6434149

**Storage Condition:** -20°C

**Shipping Condition:** Blue Ice

**Shelf Life:** One year from the date of receipt under proper storage condition

### Description

The methylated rat liver genomic DNA was generated by treating genomic DNA with Methylase which specifically methylates the CpG into C<sup>m</sup>pG within double stranded dinucleotide recognition sequence. The fully methylated genomic DNA is provided undigested and can be used as methylated control DNA for research.

### Quality Control

1. The methylated genomic DNA is tested with the control primers, a 220 bp size band can be visualized on 3% agarose gel.
2. The C<sup>m</sup>pG sequences are confirmed by sequencing analysis after bisulfite conversion.
3. The methylated genomic DNA purity is tested by spectrophotometer, A260/280 is between 1.7 and 2.0, A260/230 is >2.0. (detected in 10 mM Tris-Cl, pH 7.5)

### Components

1. Methylated Rat Genomic DNA 5 µg, at concentration 250 ng/ul
2. Control Primer Pair
3. Protocol Manual
4. Certificate of Analysis
5. MSDS

**FOR IN VITRO RESEARCH USE ONLY**

**APPROVED BY:** \_\_\_\_\_

