

pMT/V5–His A,B,C Vector Kit

Product No. 440059
Lot No. 1823270
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Restriction Enzyme Analysis

The supercoiled plasmids are qualified by restriction digest to confirm their identity. Restriction digests must demonstrate the correct banding pattern when electrophoresed on an agarose gel. The tables below list the restriction enzymes and the expected fragments.

pMT/V5–His A

<u>Restriction Enzyme</u>	<u>Expected Fragments (bp)</u>
<i>BstE</i> II	No cut (supercoiled)
<i>Kpn</i> I	3538 (linearized)
<i>Sac</i> II	No cut (supercoiled)
<i>Xba</i> I	3465, 73

pMT/V5–His B

<u>Restriction Enzyme</u>	<u>Expected Fragments (bp)</u>
<i>BstE</i> II	No cut (supercoiled)
<i>Kpn</i> I	3542 (linearized)
<i>Sac</i> II	3542 (linearized)
<i>Xba</i> I	3469, 73

pMT/V5–His C

<u>Restriction Enzyme</u>	<u>Expected Fragments (bp)</u>
<i>BstE</i> II	3534 (linearized)
<i>Kpn</i> I	3534 (linearized)
<i>Sac</i> II	No cut (supercoiled)
<i>Xba</i> I	No cut (supercoiled)

pMT/V5–His/lacZ

<u>Restriction Enzyme</u>	<u>Expected Fragments (bp)</u>
<i>BstE</i> II	6596 (linearized)
<i>Kpn</i> I	6596 (linearized)
<i>Sac</i> II	No cut (supercoiled)

Purity

To ensure purity, the absorbance at 260 nm (A_{260}) and the absorbance at 280 nm (A_{280}) of the vector preparations are measured by spectrophotometry. The A_{260}/A_{280} ratio must be between 1.8 – 2.0.

Results

Meets all specifications

For Research Use Only. Not for use in diagnostic procedures. If you have any further questions about this Certificate of Analysis, please contact Technical Services at 1-800-955-6288 (US and Canada) or 1-760-603-7200, x2 (all other countries).

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