

Certificate of Analysis



VIP Oligo 10uM

Product No. **4385451**
Lot No. **1503165**
Date of Manufacture **01APR2015**
Expiration Date **26MAR2016**

TEST	SPECIFICATION	RESULT
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CONCENTRATION

Concentration is determined by absorbance and measurement at UVmax

Measured Concentration	9.5 - 10.5 μ M	10.4 μ M
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PURITY BY HPCE

Purity is determined by capillary gel electrophoresis (CE) method with detection at 260nm.

Area Percent Purity	> = 90.0 %	93.7 %
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IDENTITY BY MS

Identity is confirmed by MALDI-TOF Mass Spectroscopy (MS) of measured mass (MM).

ID by MS (MS of MM to be within +/- 0.4% of calculated mass)		Pass
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PH MEASUREMENT

Measured pH	> = 7.0 -	7.4 -
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OLIGO SEQUENCE VERIFICATION

Oligo sequence is verified by the synthesis report from the DNA Synthesizer to be 100% concordance.

Sequence Verification (100% concordance)		Pass
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For Research Use Only. Not for use in diagnostic procedures.

Manufactured in compliance with our ISO 9001 and ISO 13485 certified quality management system. Site: Pleasanton, CA, USA

**Quality Assurance
Issued 19MAY15**

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5791 Van Allen Way
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TRITYL ANALYSIS		
Trityl Analysis		Pass

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