

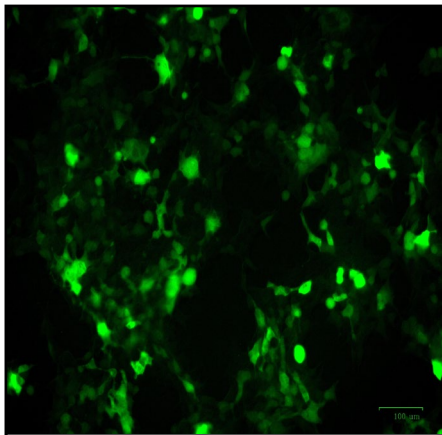
Certificate of Analysis

Product Description

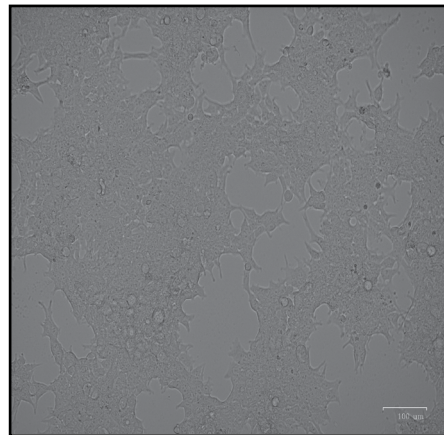
Product Name	DPP4 Lentivirus (Human) (CMV) (pLenti-GIII-CMV-GFP-2A-Puro)
Cat Number	LVP141515
Lot Number	KL8150
Quantity	2 x 200 µl
Fluorescence Tag	GFP
Viral Titer	2.47 x 10 ⁹ IU/ml
QC Evaluation Cell Line	293T Cells (Cat no. LV010)

Specifications

	Test Method	Minimum	Results
Viral Titer	qRT-PCR	1.0 x 10 ⁷ IU/ml	2.47 x 10 ⁹ IU/ml
Transduction Signal	Fluorescence Evaluation	***	Positive
Sterility Test	Direct Culture	***	Not detected



Fluorescent Tag: GFP



Brightfield Image

Transduction Duration: 72 Hours

MOI: 49.4

Multiplicity of Infection (MOI) Calculation Method:

$$\text{MOI} = \frac{\text{Product Titer (IU/ml)} \times \text{Virus Volume (ml)}}{\text{Total Cell Number}}$$

This product is for research use only and is not intended for therapeutic or diagnostic applications.
Please contact a technical service representative for more information.

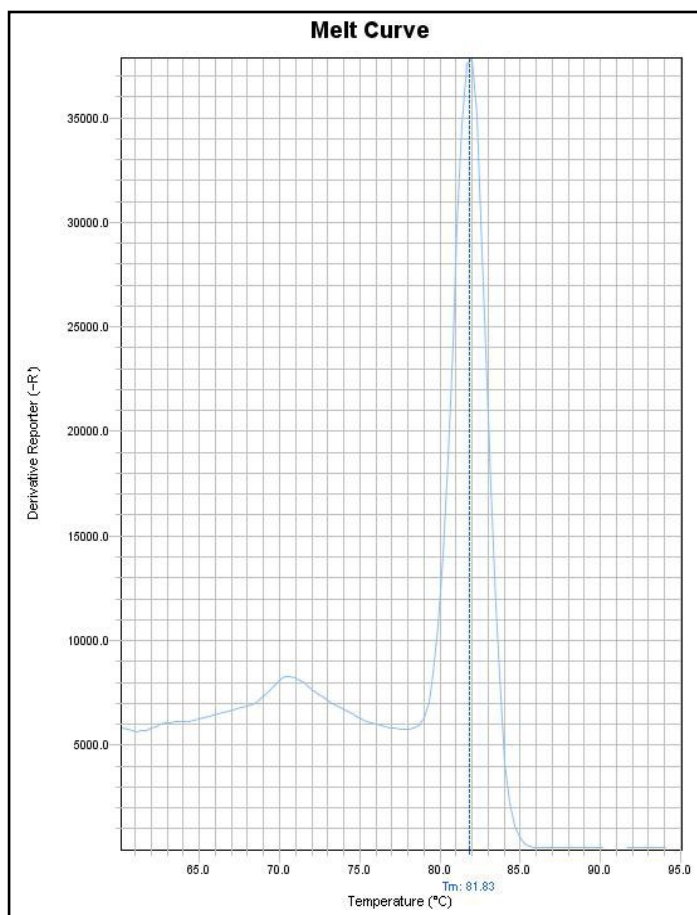
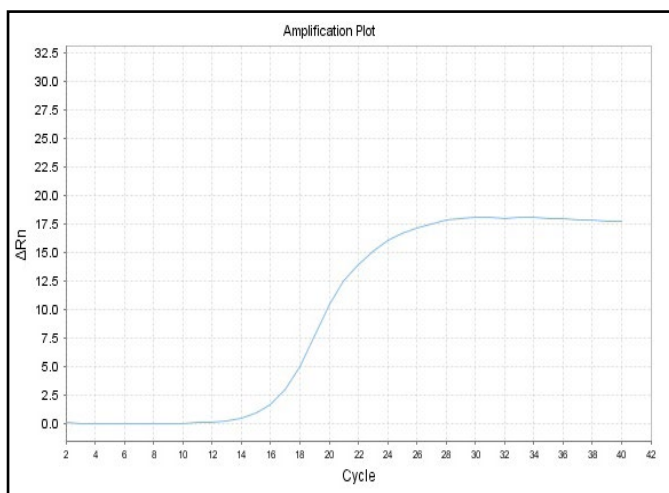
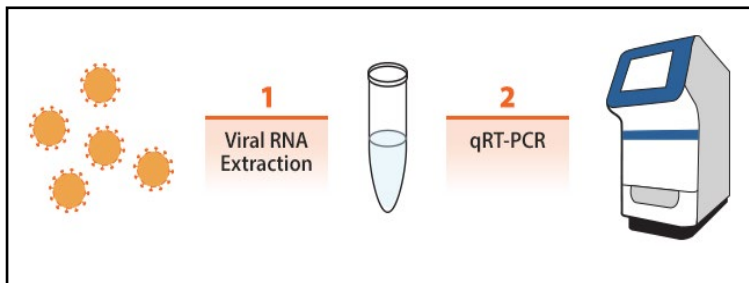
1-3671 Viking Way,
Richmond, BC, Canada V6V2J5
T e l : 6 0 4 - 2 4 7 - 2 4 1 6
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Lentivirus qRT-PCR Titer Report

Cat No. LVP141515

DPP4 Lentivirus (Human) (CMV) (pLenti-GIII-CMV-GFP-2A-Puro)
(05/10/2016)

Viral RNA was extracted from lentivirus and cDNA was generated from RT. The viral RNA samples (diluted 100 folds) and the lentiviral RNA STD1 and STD2 are subjected to qRT-PCR to determine threshold cycle (Ct) values. Real-time PCR was processed using lentivirus specific primers. With Ct values, the titers of lentivirus were determined by our lenti-titer calculator.



Block Type	48well
Chemistry	SYBR_GREEN
Experiment Run End Time	05/10/2016 13:20
Instrument Type	ABI Step one
Passive Reference	ROX

Sample Name	DPP4 Lentivirus (Human) (CMV) (pLenti-GIII-CMV-GFP-2A-Puro)	STD1	STD2
C _T Value	16.72	15.73	18.65

Titer of **DPP4 Lentivirus (Human) (CMV) (pLenti-GIII-CMV-GFP-2A-Puro)** = $[5 \times 10^7 / 2^{3(C_{Tx} - C_{T1}) / (C_{T2} - C_{T1})}] \times 100 = 2.47 \times 10^9 \text{ IU/ml}$

C_{tx}: Ct value of sample, C_{T1}: Ct value of STD1, C_{T2}: Ct value of STD2.

(Note: the titer equation was multiplied by 100 to account for the dilution of the lentivirus sample)