

## Certificate of Analysis

**Project Tracking #**

30-28596737

**Quote #**

30-28596737\_R5

**GENEWIZ Clone ID #**

BB5068-1/C305844

**Sequence Name**

TauP301L-2A-eGFP in pAAV-EF1a-double floxed-hChR2

**Cloning Vector**

pAAV-EF1a-double floxed-hChR2

**Cloning Sites**

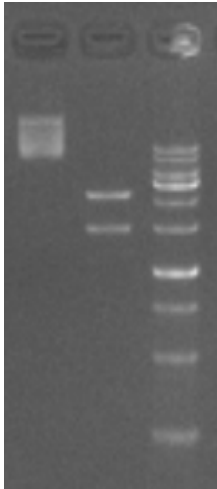
NheI and Ascl by recombination

**Insert Length**

1925 bp

QC Item	Specification	Results
Insert Sequence	Insert sequence results consistent with target	√ Pass
Vector Sequence	Flanking sequence consistent with expected	√ Pass
Open Reading Frame across junction	Correct and consistent with target	n/a
Restriction Digest	Expected fragment sizes observed	√ Pass
PCR amplification	Correct without non-specific bands	n/a
DNA Quantity and Quality	Actual yield (by A <sub>260</sub> )	350 ug
	Concentration (n/a if lyophilized)	1.8 ug/ul
	Purity (A <sub>260</sub> /A <sub>280</sub> = 1.8 - 2.0)	√ Pass
	# of tubes	1
	Matrix	TE
Endotoxin Test	Verified, <0.1EU/ug(endo-free preps only)	n/a
Appearance	Clear, no visible particles	√ Pass
Label	Correct and clear	√ Pass
Comments		

### Restriction Digest Test Results

	<p>Lane Description</p> <p>Lane 1: undigested</p> <p>Lane 2: digested with XhoI</p> <p>Lane 3: ladder</p>	<p>1kb ladder</p> <table><thead><tr><th>bp</th><th>ng/5μl</th></tr></thead><tbody><tr><td>10000</td><td>40</td></tr><tr><td>8000</td><td>40</td></tr><tr><td>6000</td><td>40</td></tr><tr><td>5000</td><td>100</td></tr><tr><td>4000</td><td>40</td></tr><tr><td>3000</td><td>40</td></tr><tr><td>2000</td><td>100</td></tr><tr><td>1500</td><td>40</td></tr><tr><td>1000</td><td>40</td></tr><tr><td>500</td><td>40</td></tr></tbody></table> <p>1% agarose</p>	bp	ng/5μl	10000	40	8000	40	6000	40	5000	100	4000	40	3000	40	2000	100	1500	40	1000	40	500	40
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**Certified By**

Zhifen.Yu

**Date**

01/05/2018