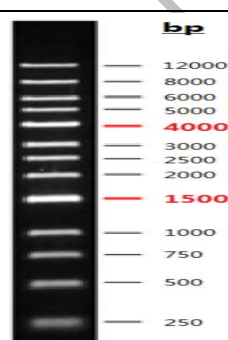


Certificate of Analysis			
Vector Name	HBT-sGFP(S65T)-NOS	Catalog No.	V009925
Lot No.	C23876	Size	4,230 bp
Quantity	100 ug	Resistance	Amp
QC Results			
Test Items	Specifications	Results	
Insert Sequence	Insert sequence results consistent with target	Pass	
Vector Sequence	Flanking sequence consistent with expected	Pass	
ORF Across Junction	Correct and consistent with target	N/A	
Restriction Digest	Expected fragment sizes observed	Pass	
PCR Amplification	Correct without non - specific bands	Pass	
DNA Quantity/Quality	Actual yield (by A 260)	5ug/5ug	
	Concentration (n/a if lyophilized)	N/A	
	Purity (A 260/A280 = 1.8 - 2.0)	Pass	
	# of Tubes	2	
	Matrix	TE (lyophilized)	
Endotoxin Test	Verified, <0.1 EU/μg (Endo-Free Preps Only)	N/A	
Appearance	Clear, no visible particles	Pass	
Label	Correct and white	Pass	
Comments	-	-	
Restriction Digestion Map			
	1	2	M
 1Kb DNA Marker	<p>Lane 1: Plasmid</p> <p>Lane 2: Plasmid Digested with BamHI-EcoRI</p> <p>Lane M: DNA Marker</p>		

FPs maturation times and fluorescent intensity can be affected by the temperature. For instance, enhanced GFP (EGFP) was optimized for 37°C, and is therefore most suited for mammalian or bacteria studies, whereas GFPS65T is better suited for yeast studies (24-30°C).

Certified by: Chou Fang



Date: Mar/27/2023

Valid until: Mar/26/2026