

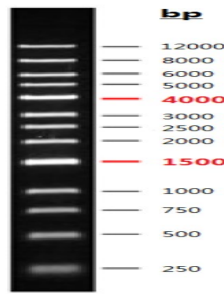
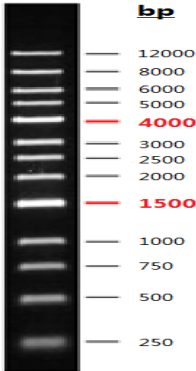


CERTIFICATE OF ANALYSIS			
Gene Name	Fkbp51-Shrna1	Order No.	Gv3000365-1
Lot No.	K48993	Cloning Vector	VA060-AAV-U6-MCS-CMV-ZsGreen
Cloning Sites	EcoRI(GAATTC)-BamHI(GGATCC)	Insert Size	69bp
Competence	Stbl3	Vector Resistance	Amp
QC Results			
Test Items	Specifications	Results	
Insert Sequence	Insert 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	N/A	
DNA Quantity/Quality	Actual yield (by A 260)	5ug	
	Concentration (n/a if lyophilized)	N/A	
	Purity (A 260/A280 =1.8 - 2.0)	Pass	
	# of Tubes	1	
	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
 <p>1Kb DNA Marker</p>	<p>Lane 1: Plasmid</p> <p>Lane 2: Plasmid Digested with EcoRI-HindIII</p> <p>Lane M: DNA Marker</p>		

CERTIFICATE OF ANALYSIS			
Gene Name	Fkbp51-Shrna2	Order No.	Gv3000365-2
Lot No.	K48996	Cloning Vector	VA060-AAV-U6-MCS-CMV-ZsGreen
Cloning Sites	EcoRI(GAATTC)-BamHI(GGATCC)	Insert Size	69bp
Competence	Stbl3	Vector 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	N/A	
DNA Quantity/Quality	Actual yield (by A 260)	5ug	
	Concentration (n/a if lyophilized)	N/A	
	Purity (A 260/A280 =1.8 - 2.0)	Pass	
	# of Tubes	1	
	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
 <p>1Kb DNA Marker</p>	<p>Lane 1: Plasmid</p> <p>Lane 2: Plasmid Digested with EcoRI-HindIII</p> <p>Lane M: DNA Marker</p>		

Certificate of Analysis			
Gene Name	Fkbp51-Shrna3	Order No.	Gv3000365-3
Lot No.	K48999	Cloning Vector	VA060-AAV-U6-MCS-CMV-ZsGreen
Cloning Sites	EcoRI(GAATTC)-BamHI(GGATCC)	Insert Size	69bp
Competence	Stbl3	Vector 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	N/A	
DNA Quantity/Quality	Actual yield (by A 260)	5ug	
	Concentration (n/a if lyophilized)	N/A	
	Purity (A 260/A280 =1.8 - 2.0)	Pass	
	# of Tubes	1	
	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
 <p>1Kb DNA Marker</p>	<p>Lane 1: Plasmid</p> <p>Lane 2: Plasmid Digested with EcoRI-HindIII</p> <p>Lane M: DNA Marker</p>		

Certificate of Analysis			
Gene Name	blank	Order No.	GV3000365-4
Lot No.	D31775	Strain	Stbl3
Quantity	300ug	Quality grade	Transfection Grade
QC Results			
Test Items	Specifications		Results
Appearance	Clear, no visible particles		Pass
Concentration	On request, default 1ug/uL		Pass
A260/280	1.8 - 2.0		Pass
A260/230	>2.0		Pass
Supercoiled content	Predominantly supercoiled		Pass
Residual RNA	Not visible upon electrophoresis		Pass
Genomic DNA	Not visible upon electrophoresis		Pass
Restriction Analysis	Conforms to reference		Pass
Bioburden assay	No growth on agar plate after 24hours		Pass
Endotoxin Test	Verified, <100EUmg (Endo-Free Preps Only)		Pass
Label	Correct and white		Pass
Sequencing	Correct		Pass
Comments	-		-
Restriction Digestion Map			
	1	2	M
	<p>Lane1:Plasmid DNA</p> <p>Lane2:Plasmid digested by EcoRI-HindIII</p> <p>Lane M: DNA Marker</p>		

Mus musculus FK506 binding protein 5 (Fkbp5), mRNA

NCBI Reference Sequence: NM_010220.4

[GenBank](https://www.ncbi.nlm.nih.gov/nuccore/NM_010220.4?report=genbank) https://www.ncbi.nlm.nih.gov/nuccore/NM_010220.4?report=genbank

[Graphics](https://www.ncbi.nlm.nih.gov/nuccore/NM_010220.4?report=graph) https://www.ncbi.nlm.nih.gov/nuccore/NM_010220.4?report=graph

>NM_010220.4:220-1590 Mus musculus FK506 binding protein 5 (Fkbp5), mRNA

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Fkbp51-Shrna1 AGAAAGACAGAGGAGTATTAA

Fkbp51-Shrna1 AGGCGAGATCTGCCATTTATT

Fkbp51-Shrna1 ATTTCAAAGGTGAGGATTTAT