

Kit Certificate of Analysis				
Name:	ImaGene G C ₁₂ FDGIcU GUS Gene Expression Kit			
Catalog Number:	8026	Kit Lot:	51246	

Components				
Component ID	Name	Unit Size	Number of Units	Production Lot
8026-A	C12FDGlcU *10mM in 50% DMSO / 50% water*	1 mL	1	15886
8026-B	D-Glucaric acid-1,4-lactone *20mM in water*	1 mL	1	15885



ImaGene G C ₁₂ FDGIcU Component A: C12FDGI 8026-A	GUS Gene Ex cU *10mM in :	pression Kit			
8026-A		ImaGene G C ₁₂ FDGlcU GUS Gene Expression Kit Component A: C12FDGlcU *10mM in 50% DMSO / 50% water*			
	Lot: 51246				
N/A	Formula: C ₄₄ H ₅₁ NO ₁₈		NO ₁₈		
881.87 (g/mol)					
Observed		Standard			
98% at 254 nm	254 nm ≥ 90% at 254 nm		nm		
l)					
Wavelength (λ_{max}):290 nm290 ± 3 nm					
n: $6,700 \text{ cm}^{-1}\text{M}^{-1}$ $6,500 \pm 500 \text{ cm}^{-1}\text{M}^{-1}$		ı⁻¹M⁻¹			
Fluor Bkgd:< 10 ppm< 100 ppm at 518nm		m			
Comments: Avoid frequent freeze/thaw. Substrate should be divided and alid to minimize decomposition. Stable for six months when stored fr					
Freeze: Store at -5 to -	-5 to -30°C (F), Protect from light (L)				
B86 Release:	06-Oct-20 ⁷	17 Exp	piration:	06-Oct-2018	
	н				
	N/A 881.87 (g/mol) Observed 98% at 254 nm 1) 290 nm 6,700 cm ⁻¹ M ⁻¹ < 10 ppm Avoid frequent freeze/t to minimize decompos Freeze: Store at -5 to - 386 Release: $H_0 \leftarrow H_0 \leftarrow H_0 \leftarrow H_0 \leftarrow H_0 \leftarrow H_0$	N/A881.87 (g/mol)Observed98% at 254 nm98% at 254 nm1)290 nm6,700 cm ⁻¹ M ⁻¹ < 10 ppm	N/AFormula:881.87 (g/mol)StandardObservedStandard98% at 254 nm \geq 90% at 2I) \geq 90% at 254 nm290 ± 3 nm6,700 cm ⁻¹ M ⁻¹ 6,700 cm ⁻¹ M ⁻¹ 6,500 ± 50< 10 ppm	N/AFormula: $C_{44}H_{51}$ 881.87 (g/mol)Standard98% at 254 nm \geq 90% at 254 nm98% at 254 nm \geq 90% at 254 nmI)290 ± 3 nm6,700 cm ⁻¹ M ⁻¹ 6,500 ± 500 cm ⁻¹ M ⁻¹ < 10 ppm	

This data reflects the accuracy of the analysis of the subject lot For research use only. Not for human use. No animal source. This material is chemically synthesized and manufactured in the USA

Approved by:	Dianna M Wineinger	Date:	06-Oct-2017
	Analytical Services Manager		
Signature:	Dianna M Wineinger	<u>_</u>	



Certificate of Analysis					
Name:	Name: ImaGene G C ₁₂ FDGlcU GUS Gene Expression Kit Component B: D-Glucaric acid-1,4-lactone *20mM in water*				
Catalog Number:	8026-B	-B Lot: 51246			
CAS Number:	61278-30-6	Formula: C ₆ H ₈ O ₇ · H ₂ O			₇ · H₂O
Molecular Weight:	210.14 (g/mol)				
	Observed	St	andard		
Solid Melting Point:	97-99 C	97	-99 C		
Comments:	Avoid frequent freeze/thaw. Substrate should be divided and aliquoted to minimize decomposition. Stable for six months when stored frozen.				
Storage:					
Production Lot: 158	Release:	20-Sep-2017 Expiration: 06-Oct-201			06-Oct-2018
Structure:					
This data reflects the accuracy of the analysis of the subject lot For research use only. Not for human use. No animal source. This material is chemically synthesized and manufactured in the USA					
Approved by: Dianna M Wineinger Date: 20-Sep-2017					
Analytical Services Manager Signature:					