

Long Double-stranded RNA Synthesis Service

Better Life, Right Tool

Applications

Crop Improvement
Biocontrol
Functional Genomics

⋮

And
more

Arthropods

Insects

Plants

Long
Double-stranded
RNA

Fungi

Bacteria



GENOLUTION

Long Double-stranded RNA Synthesis Service

High Quality dsRNA in Large Scale in 2 weeks

Grade

Grade	Grade 1	Grade 2
Description	Unprocessed dsRNA mixture	Dissolved in water
Purification	No	Yes (Standard desalting)
Contains	dsRNA, enzymes, salts, and major free NTP	dsRNA and minor impurities

Scale

Synthesis Scale	10 mg	100 mg	1 g	10 g	100 g	1 kg
Guaranteed Amount	> 70%				> 50%	
Turnaround Time	2-3 weeks				4-6 weeks	6-8 weeks

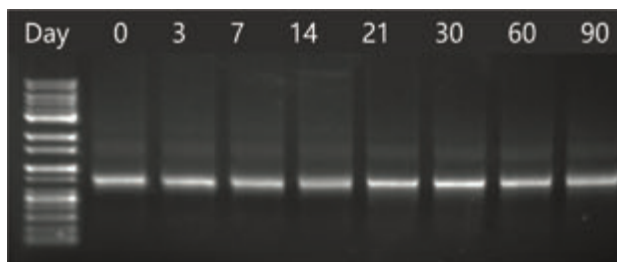
Size from 200 to 800 bp / Pre-annealed as duplex

Performance Data



Wide range of dsRNA length

- Analyzed on a 1% agarose gel



High stability at ambient temperature

- Can be stored at ambient temperature for more than 3 months without any sign of degradation

Representative Citations

Insect	<u>Validating the potential of double-stranded RNA targeting Colorado potato beetle mesh gene in laboratory and field trials</u> ↩go to the link
	<i>Petek, M. et al. – Front. Plant Sci. (2020)</i>
Plant	<u>Suppression of Rice Stripe Virus Replication in Laodelphax striatellus Using Vector Insect-Derived Double-Stranded RNAs</u> ↩go to the link
	<i>Fang, Y. et al. - Plant Pathol. J. (2020)</i>
Arthropod	<u>White spot syndrome virus VP28 specific double-stranded RNA provides protection through a highly focused siRNA population.</u> ↩go to the link
	<i>Nilsen, P. et al. - Sci. Rep. (2017)</i>

Find more on our website www.genolution.co.kr

Please contact **agroRNA@genolution1.com** for ordering



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