GENAXXON bioscience

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Phage Lambda-DNA - undigested

Product	Cat#	Package size
Phage Lambda DNA undigested	M3073.0500	1 x 500µg
Phage Lambda DNA undigested	M3073.2500	1 x 2500µg

Description/Preparation:

The double stranded DNA is isolated from bacteriophage lambda (cl857 ind1 Sam7) from infected *E.coli* strain W3350. The molecular weight is 31.5 x 10E6 daltons and is 48,502 base pairs in length.
The phage is isolated from the heat inducible lysogen E. coli λ cl857 S7 by gel filtration. The DNA is isolated from the purified phage by phenol/chloroform extraction and dialyzed against 10mM Tris-HCl (pH7.4) and 1mM EDTA.

The product is methylated.

Restriction enzyme digested lambda DNA (48,502 bp) generates molecular weight size markers routinely used in gel analysis of nucleic acids.

The complete nucleotide sequence has been determined (1). The phage lambda sequence is stored as a pdf-file on the Genaxxon bioscience webpage: www.genaxxon.com. It can be downloaded from the "Details" view of the phage lambda product description. (1. Sanger, F. et al. (1982) *J. Mol. Biol.* **162**, 729.)

Stability: Very stable in the delivered form. The DNA is delivered frozen in storage buffer.

Quality Control: Gel analysis for purity. *Eco*RI and *Hind*III fragmentation patterns.

Storage buffer: 10mM Tris-HCl (pH7.6); 10mM NaCl, 1mM EDTA

Concentration: 0.2 to 0.5mg/mL

Storage Temperature: Store at -20°C.

Related Products

Product	Cat#
Lambda-DNA - HindII DNA Marker	**M3075**
Lambda DNA / Sty Marker	**M3079**
pBR322 - Hae III DNA Marker	**M3080**
pUC19 (undigested vector)	**M3081**

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