LITMUS™ 28i
Vector

N3528S

20 µg Lot: 0021304 Exp: 4/15
500 µg/ml Store at –20°C

Description: LITMUS 28i is a multi-purpose cloning/in vitro transcription phagemid vector. The molecule is a small, double-stranded circle, 2,823 base pairs in length (molecular weight = 1.8 x 10^6 daltons).

Supplied in: 10 mM Tris-HCl (pH 8.0), 1 mM EDTA.

LITMUS 28i Polylinker Region:

The key features of this vector are:
- Extensive set of restriction sites in polylinker, many with unique 4-base overhangs
- Blue/white selection
- Small (< 3 kb), high copy number
- Ampicillin resistance
- Single-stranded (M13) DNA replication origin
- Opposing T7 promoters for making RNA transcripts in either direction or double-stranded RNA
- Compatible with pUC/M13 sequencing primers as well as LITMUS sequencing primers

Preparation: LITMUS 28i is isolated from E. coli ER2272 by a standard plasmid purification procedure.

Note: Appropriate strains of E. coli containing the LITMUS 28i plasmid form blue colonies on X-gal plates; when a fragment is inserted in the polylinker, the colonies are white. Blue/white selection is best achieved by plating on a rich media (e.g. LB) supplemented with X-gal (40 µg/ml) and IPTG (0.1 mM).

Use this vector for RESEARCH PURPOSES ONLY. Commercial use of the LITMUS Vectors may require a license from New England Biolabs, Inc. *Use of this vector for double-stranded RNA interference by For-Profit organizations may require a license from the Carnegie Institution of Washington. For further information, contact the Director of Administration and Finance at the Carnegie Institution of Washington at 1530 P Street, N.W., Washington D.C., 20005–1910. Tel 202-939-1118.

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