

Zhuhai Biori Biotechnology Co.,Ltd

珠海宝锐生物科技有限公司

Certificate of Analysis

产品检验报告

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|---|---|------------------------|------------|
| Product 产品名称 | Dpnl | Lot No. 批号 | 20260402 |
| Specification 规格 | 20 U/μl | Test Date 检验日期 | 2026.04.05 |
| Test purpose 请检目的 | All items | Expiry date 有效期至 | 2028.04.01 |
| Standard 请检依据 | Enterprise Standard | Storage 储存条件 | -20°C |
| TEST RESULT 检验结果 | | | |
| Content 检验项目 | Specification 企业标准 | Results 检验结果 | |
| Appearance 外观 | Clear liquid, no precipitation, no suspended matter, no flocculent. The packaging is intact, no damage, no leakage, and the batch number is correct. 清澈液体, 无沉淀, 无悬浮物, 无絮状物。包装完好, 无破损、无漏液, 批号无误。 | Conforms 符合规定 | |
| Protein purity 蛋白纯度 | SDS-PAGE electrophoresis detection, no less than 95%. SDS-PAGE 电泳检测, 应不低于 95%。 | Conforms 符合规定 | |
| Active unit 活性单位 | No less than 20 U/μl. 应不低于 20U/μl。 | Conforms 符合规定 | |
| Nuclease activity 核酸酶活性 | No exonuclease, endonuclease activity. 应无外源核酸酶活性。 | Conforms 符合规定 | |
| Digestion-ligation-redigestion 酶切-连接-再酶切 | At 37°C, the DNA substrate was digested with a 10-fold enzyme dosage of Dpnl, and the digested products were recovered. More than 95% of these digested products could be religated using T4 DNA Ligase at 16°C. After the ligation products were recovered again, more than approximately 95% of them could be recleaved with the same restriction endonuclease. 37°C下, 使用 10 倍酶量 Dpnl 消化 DNA 底物, 回收酶切产物, 在 16°C 下使用 T4 DNA Ligase 可以将超过 95%的酶切产物重新连接。将连接产物再次回收后, 使用相同的内切酶可以重新切开约 95%以上的连接产物。 | Conforms 符合规定 | |
| Functional assay 功能性检测 | At 37°C, 1 unit of enzyme can completely digest 1 μg of λDNA within 1 hour. 37°C下, 1 U 酶能够在 1h 内完全消化 1 μg λDNA。 | Conforms 符合规定 | |
| Test conclusion 检验结论 | Complying with Enterprise Standard. 本品按企业标准检验, 结果符合规定。 | | |

Analyzed by (检验人): 金莹莹

Reviewed by (复核人): 詹伟星