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

Product **产品名称**	Alu Ⅰ	**Lot No.** **批号**	20260825
Specification **规格**	50 T	**Test Date** **检验日期**	2026.08.28
Test purpose **请检目的**	All items	**Expiry date** **有效期至**	2028.08.24
Standard **请检依据**	Enterprise Standard	**Storage** **储存条件**	-20±5°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
Functional assay 功能性检测	1 μl Alu Ⅰ can completely digest 1 μg of substrate DNA in 15 minutes. 1 μl Alu Ⅰ能够在 15min 内完全消化 1 μg 底物 DNA。	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 Alu Ⅰ, 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℃下，使用 10 倍酶量 Alu Ⅰ消化 DNA 底物，回收酶切产物，在 16℃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

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

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