Product Datasheet

Vazyme - DNase I (1 U/µl, GMP Grade) (GMP4104PC-02)

Catalog Number	GMP4104PC-02
Category	Tools
Description	The product Deoxyribonuclease I (DNase I) is an endodeoxyribonuclease that can digest single-stranded DNA (ssDNA) or double-stranded DNA (dsDNA). The productrecognizes and cleaves phosphodiester bonds, producing single deoxynucleotides or single-stranded or double-stranded oligonucleotides with a phosphate group at the 5’ end and a hydroxyl group at the 3’ end. The DNase I activity is dependent on Ca 2+ and can be activated by divalent metal ions such as Mg 2+ and Mn 2+ . In the presence of Mg 2+ , DNase I randomly recognizes and cleaves any site on either strand of dsDNA, while in the presence of Mn 2+ , it recognizes and cleavesnearly identical site on both strands of dsDNA, resulting in blunt-end DNA fragments or sticky-end DNA fragments with 1 to 2 nucleotide overhang. This product is GMP grade recombinant DNase I. During the production process, process-related impurities such as host proteins, exogenous DNA, RNase, microbial limits and bacterial endotoxin are strictly controlled. The whole production process does not use or add ampicillin or any raw materials and excipients of animal origin, and adopts the production and quality management standards in accordance with GMP norms to ensure the traceability of the production process as well as the raw and auxiliary materials. The product meets the requirements for raw materials and auxiliary materials in the field of mRNA vaccine production.
Usage Notes	Restricted to UK and Ireland's customers ONLY
Storage	Store at -20 ± 5°C and transport at ≤0° C .
Note	For research use only
Expiration Date	12 months from date of receipt.

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