

Recombinant Golden Nuclease

SPECIFICATION

Cat.No.	COP23
Species	Others
Product Name	Recombinant Golden Nuclease
Product Overview	GoldenNuclease is a recombinant form of Serratia macescens extracellularendonuclease (encoded by the same gene of Benzonase) produced in Escherichiacoli cells.
Description	GoldenNuclease is a recombinant form of Serratia macescens extracellularendonuclease (encoded by the same gene of Benzonase) produced in E. coliusing a proprietary process. This nonspecific endonuclease hydrolyzes bothsingle- and double-stranded nucleic acids (DNA and RNA) to 5"-phosphorylatedoligonucleotides of 1-4 bases in length. TurboNuclease is a highly purifiedhomodimer of 27 kDa subunits that has exceptional high specific activity andis free of protease activity. It is ideal to digest nucleic acids and toreduce viscosity during protein purification and sample preparation.
Source	E. coli
Form	Solutionin 50% glycerol containing 20 mM Tris HCl, pH 8.0, 2 mM MgCl2, and 20 mMNaCl.
Unit Definition	One unit will digest sonicated salmon sperm DNA toacid-soluble oligonucleotides equivalent to a ΔA_{260} of 1.0 in 30 min at pH8.0 at 37 °C(reaction volume 2.625 ml).
Storage	Storeat -20°C upon received. Avoid repeated freeze-thaw cycles.
Concentration	>250units/ μ L