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Product Datasheet

UNG Heat Labile BYT-ORB1994997

Article Name	UNG Heat Labile
Biozol Catalog Number	BYT-ORB1994997
Supplier Catalog Number	orb1994997
Alternative Catalog Number	BYT-ORB1994997-100, BYT-ORB1994997-500, BYT-ORB1994997-5000
Manufacturer	Biorbyt
Category	Proteine/Peptide
Product Description	Recombinant Psychrophilic Marine Bacterium Uracil DNA Glycosylase, Heat Labile...
Buffer	UNG protein solution (1U/ul) 20mM Tris-HCl (25°C, pH 8.0), 100mM KCl, 0.1mM EDTA, 1mM DTT, 0.5% NP-40, 0.5% Tween-20 and 50% glycerol.
Purity	Greater than 97.0% as determined by SDS-PAGE.
Form	Sterile Filtered clear solution.

Application Notes

Application Notes: Applications: Treatment of 0.1µg of uracil containing DNA with 1U UDG for 10 min. at 37°C renders the DNA incapable of being copied by DNA polymerase. The enzyme can be 95% heat killed by incubation at 95°C for 10 minutes. Since UDG remains partially active following heat treatment at 95°C, it is recommended that uracil glycosylase inhibitor be added to prevent degradation of product DNA. Alternatively, reaction products can be immediately extracted with phenol/chloroform. Unit Definition: 1 unit is defined as the amount of enzyme that releases 1 nmol of uracils from the DNA strand (containing dU) within 1 hour at 37C in the reaction system containing 70mM TrisHCl, pH-7.5, 10mM NaCl, 1mM EDTA and 0.1mg/ml BSA reaction liquid