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## Product Datasheet

### UNG Active BYT-ORB1994998

Article Name	UNG Active
Biozol Catalog Number	BYT-ORB1994998
Supplier Catalog Number	orb1994998
Alternative Catalog Number	BYT-ORB1994998-1000, BYT-ORB1994998-5000, BYT-ORB1994998-50000
Manufacturer	Biorbyt
Category	Proteine/Peptide
Product Description	Recombinant E.Coli Uracil DNA Glycosylase, Active...
Buffer	UNG protein solution (5U/ul) containing 10mM Tris-HCl (25°C, pH 7.4), 50mM KCl, 0.1 mM EDTA, 1mM DTT, 0.1mg/ml rAlbumin & 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 catalyzes the release of 60pmol of uracil/minute from double-stranded, uracil-containing DNA. Activity is measured by release of [3H]-uracil in a 50µl reaction containing 0.2µg DNA (104-105 cpm/µg) in 30 min. at 37C