

Tin exo- DNA Polymerase

For research purposes only. Not for use in diagnostic procedures for clinical purposes. FOR *IN VITRO* USE ONLY

Cat. No.	TIN-001HC	5000u
Cat. No.	TIN-002HC	25000u

Product Description

A patented recombinant, large fragment 3'-5' exonuclease minus DNA polymerase from *Thermodesulfotator indicus* expressed in *E.coli*.

Applications: This enzyme is designed for use in isothermal DNA amplification.

Stability: The undiluted enzyme mix is stable when stored at -20°C in a constant temperature freezer.

Supplied Reagents:

Enzyme @ 100u/μl

10x Buffer (300mM Tris-HCl (pH 8.8 @ 25°C), 300mM KCl, 100mM (NH₄)₂SO₄ and

1% Triton X-100)

50mM MgSO₄·7H₂O

Storage Buffer: 50mM Tris-HCl (pH 8.3), 100mM KCl, 0.1mM EDTA, 1mM DTT, 0.5% Nonidet® P40 (v/v), 0.5% Tween® 20 (v/v) and 50% glycerol.

Quality Control: Each lot is tested for activity in an Isothermal DNA amplification reaction. We advise to use 4mM final Mg.

For maximal activity and specificity in an isothermal amplification reaction we advise using Betaine at a final concentration of 1M.

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