

GspM DNA Polymerase

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

Cat. No.	GSPM-002	8000u
Cat. No.	GSPM-003	40000u

Product Description

A recombinant large fragment DNA polymerase from *Geobacillus species M* 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 @ 8u/μl

10x Buffer (200mM Tris-HCl (pH 8.8 @ 25°C), 100mM KCl, 100mM (NH₄)₂SO₄ and 0.1% Triton X-100

50mM MgSO₄·7H₂O.

Storage Buffer: 10mM Tris-HCl (pH 7.5), 50mM KCl, 0.1mM EDTA, 1mM DTT, 0.1% Triton-X-100 (v/v) and 50% glycerol.

Quality Control: Each lot is tested for activity in an Isothermal DNA amplification reaction.

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

OptiGene Ltd.