

## Certificate of Analysis

**Product Description:** T4 Bacteriophage Gene 32 Product  
**Catalog Number:** TGP32100  
**Lot:** S8690

**Formula:** N/A  
**CAS #:** N/A  
**Physical Description:** Frozen Colorless Liquid

**Formula Weight:** N/A  
**Storage:** -20°C

Test	Specification	Result
Identity Test	Passes	Passes

Description: T4 Gene 32 Protein is a single-stranded DNA (ssDNA) binding protein which is required for T4 bacteriophage replication, recombination and repair. T4 Gene 32 Protein binds cooperatively and stoichiometrically to ssDNA effectively stabilizing it. This protein enhances DNA synthesis activities, including PCR amplification and DNA sequencing.

Concentration: 10 mg/ml

Format: Enzyme supplied with 10X Reaction Buffer

Storage Buffer: 10 mM Tris-HCl (pH 7.5), 300 mM NaCl, 0.1 mM EDTA, 1 mM DTT, and 50% (v/v) Glycerol

Purity (SDS-Page): Pass

Bioactivity (PCR Amplification): Pass

Note: This product is distributed for laboratory research only Caution: Not for diagnostic use

Recommended Retest Date (MM/DD/YYYY): 06/12/2024



06/13/2022 - Fengqi An  
MP Biomedicals, LLC.  
Life Science QC Supervisor

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