



## Certificate of Analysis

**Product Description:** T4 Bacteriophage Gene 32 Product\_  
**Catalog Number:** TGP32100\_  
**Lot:** 1430M4683\_

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

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

Test	Specification	Result
Identity Test	Passes	Passes

T4 bacteriophage gene 32 product (T4 gp 32), is a specific single-strand-binding-protein (purified recombinant form) from the T4 bacteriophage. It is reported to act by binding to single-stranded DNA in a cooperative manner thereby destabilizing double stranded DNA.

Absence of nickases, endonucleases, nickases 5' exonucleases and 5' phosphatases, 3' exonucleases and ribonucleases

PCR assays in presence of T4 gp 32 are carried out using lambda DNA as a template with decreasing amounts of both DNA template and DNA polymerase. Specific unmodified primers generating a 500bp fragment are used. PCR products are analysed using agarose gel electrophoresis. No unspecific amplification is observed under these conditions.

Concentration: 500ug/mL

Expiration Date: 07/31/2016

11/21/2014 - Christina Marotta  
MP Biomedicals, LLC.  
Technical Director

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