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## Datasheet for ABIN3188238 **T4 Polynucleotide Kinase**

| hase catalyzes the transfer of the γ-phosphate from ATP to the 5'-hydroxyl<br>and single-stranded RNA and DNA, oligonucleotides or nucleoside 3'-<br>e enzyme is also capable of catalyzing the removal of 3'-phosphoryl<br>ohoryl polynucleotides, deoxynucleoside 3'-monophosphates and<br>iphosphates.<br>In 10X Reaction Buffer<br>The amount of T4 Polynucleotide Kinase that catalyzes the incorporation<br>e from ATP to the 5'-hydroxyl termini of micrococcal nuclease-treated<br>37°C in 1X T4 Polynucleotide Kinase Reaction Buffer. |
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| and single-stranded RNA and DNA, oligonucleotides or nucleoside 3'-<br>e enzyme is also capable of catalyzing the removal of 3'-phosphoryl<br>phoryl polynucleotides, deoxynucleoside 3'-monophosphates and<br>iphosphates.<br>In 10X Reaction Buffer<br>The amount of T4 Polynucleotide Kinase that catalyzes the incorporation<br>e from ATP to the 5'-hydroxyl termini of micrococcal nuclease-treated   |
| e enzyme is also capable of catalyzing the removal of 3´-phosphoryl<br>phoryl polynucleotides, deoxynucleoside 3´-monophosphates and<br>iphosphates.<br>In 10X Reaction Buffer<br>The amount of T4 Polynucleotide Kinase that catalyzes the incorporation<br>e from ATP to the 5'-hydroxyl termini of micrococcal nuclease-treated  |
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| of DNA or RNA to be used as:<br>quencing<br>ation<br>ot mapping<br>ctrophoresis<br>whates to oligonucleotides, PCR products, and DNA or RNA prior to ligation<br>phoryl groups  |
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|   |
|   |
| 7.5), 50 mM KCl, 1 mM DTT, 0.1 mM EDTA, 0.1 μM ATP, and 50 % (v/v)  |
|   |

| Handling          |   |
|-------------------|---|
|                   | Glycerol.   |
| Storage:          | -20 °C  |
| Publications      |   |
| Product cited in: | Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (<br>1991) |