

# Recombinant Streptomyces hygroscopicus Phosphinothricin N-acetyltransferase(bar)

Catalog No: #AP71008

Package Size: #AP71008-1 20ug #AP71008-2 100ug #AP71008-3 1mg

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## Description

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| Product Name          | Recombinant Streptomyces hygroscopicus Phosphinothricin N-acetyltransferase(bar)                                                                                                                                                                                                                                                                                                                |
| Host Species          | E.coli                                                                                                                                                                                                                                                                                                                                                                                          |
| Purification          | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                     |
| Immunogen Description | Expression Region:1-183aaSequence Info:Full Length                                                                                                                                                                                                                                                                                                                                              |
| Other Names           | Phosphinothricin-resistance protein                                                                                                                                                                                                                                                                                                                                                             |
| Accession No.         | P16426                                                                                                                                                                                                                                                                                                                                                                                          |
| Calculated MW         | 24.6 kDa                                                                                                                                                                                                                                                                                                                                                                                        |
| Tag Info              | N-terminal 6xHis-tagged                                                                                                                                                                                                                                                                                                                                                                         |
| Target Sequence       | MSPERRPADIRRATEADMPAVCTIVNHYIETSTVNFRTPEPQEWTDLDVRLRERYPWLVAEVDGEVAGIAY<br>AGPWKARNAYDWTAESTVYVSPRHQRTGLGSTLYTHLLKSLEAQGFKSVVAVIGLPNDPSVRMHEALGYAPR<br>GMLRAAGFKHGNWHDVGFQWQLDFSLPVPPRPVLPVTEI                                                                                                                                                                                                  |
| Formulation           | Tris-based buffer50% glycerol                                                                                                                                                                                                                                                                                                                                                                   |
| Storage               | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br><br>Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |

## Background

This enzyme is an effector of phosphinothricin tripeptide (PTT or bialaphos) resistance. Inactivates PTT by transfer of an acetyl group.

## References

A cassette containing the bar gene of Streptomyces hygroscopicus a selectable marker for plant transformation.White J., Chang S.-Y.P., Bibb M.J., Bibb M.J.Nucleic Acids Res. 18:1062-1062(1990)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.