

Recombinant Phosphinothricin N-acetyltransferase

Catalog No: #AP72898



Package Size: #AP72898-1 20ug #AP72898-2 100ug #AP72898-3 1mg

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Description

Product Name	Recombinant Phosphinothricin N-acetyltransferase
Brief Description	Recombinant Protein
Host Species	Yeast
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
Uniprot	P16426
Calculated MW	22.6 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MSPERRPADIRRATEADMPAVCTIVNHYIETSTVNFRTPEQPQEWTDLLVRLRERYPWLVAEVDGEVAGIAY AGPWKARNAYDWTAESTVYVSPRHQRTGLGSTLYTHLLKSLEAQGFKSVVAVIGLPNDPSVRMHEALGYAPR GMLRAAGFKHGNWHDVGFWQLDFSLPVPVPPRPVLPVTEI
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. 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

Characterization of the herbicide-resistance gene bar from *Streptomyces hygroscopicus*.Thompson C.J., Movva N.R., Tizard R., Cramer R., Davies J.E., Lauwereys M., Botterman J.EMBO J. 6:2519-2523(1987)Research Topic:Others

Note: This product is for in vitro research use only