

Recombinant *S. hygroscopicus* Phosphinothricin N-acetyltransferase Protein, His-tagged

Cat. No. bar-1140S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant <i>Streptomyces hygroscopicus</i> Phosphinothricin N-acetyltransferase Protein (1-183aa) was expressed in <i>E. coli</i> with N-terminal His-tag.
Species	<i>S. hygroscopicus</i>
Source	<i>E. coli</i>
ProteinLength	1-183 a.a.
Description	This enzyme is an effector of phosphinothricin tripeptide (PTT or bialaphos) resistance. Inactivates PTT by transfer of an acetyl group.
Form	Tris-based buffer, 50% glycerol.
Molecular Mass	24.6 kDa
AA Sequence	MSPERRPADIRRATEADMPAVCTIVNHYIETSTVNFRTPEQPQEWTDLDVRLRERY PWLVAEVDGEVAGIAYAGPWKARNAYDWTAEVTVVSPRHQRTGLGSTLYTHLLK SLEAQGFKSVVAVIGLPNDPSVRMHEALGYAPRGMLRAAGFKHGNWHDVGFQWL DFSLPVPPRPVLPVTEI
Purity	Greater than 90% as determined by SDS-PAGE.
Storage	The shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life

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of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

GENE INFORMATION

Gene Name Phosphinothricin N-acetyltransferase

Official Symbol Phosphinothricin N-acetyltransferase

Synonyms Phosphinothricin N-acetyltransferase; PPT N-acetyltransferase; Phosphinothricin-resistance protein; EC 2.3.1.183

UniProt ID P16426

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