

## Phosphinothricin N-acetyltransferase (pat) Recombinant Protein | pat recombinant protein

Recombinant Streptomyces viridochromogenes Phosphinothricin N-acetyltransferase (pat)

|                              |                                                                 |
|------------------------------|-----------------------------------------------------------------|
| CATALOG #<br><b>AAA18776</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
|------------------------------|-----------------------------------------------------------------|

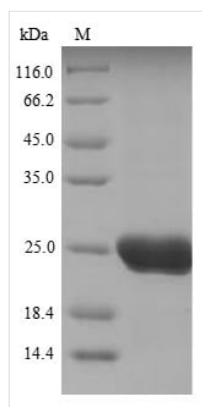
### PRODUCT SYNONYMS

Phosphinothricin N-acetyltransferase (pat); Recombinant Streptomyces viridochromogenes Phosphinothricin N-acetyltransferase (pat); Phosphinothricin-resistance protein; pat recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                                                                                          |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                                 |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                                                                                          |
| Sequence Positions      | 1-183aa; Full Length                                                                                                                                                                                      |
| Sequence                | MSPERRPVEI RPATAADMAA VCDIVNHYIE TSTVNFRTPE QTPQEWIDDL ERLQDRYPWL VAEVEGVVAG IAYAGPWKAR NAYDWTVEST VYVSHRHQRL GLGSTLYTHL LKSMEAQGFK SVVAVIGLPN DPSVRLHEAL GYTARGTLRA AGYKHGGWHD VGFWQRDFEL PAPPRPVRPV TQI |
| Species                 | Streptomyces viridochromogenes                                                                                                                                                                            |
| Preparation and Storage | Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.                                                                                                                    |

### IMAGES



SDS-PAGE

### ADDITIONAL INFORMATION

|                                                         |                                                                                                                                                                                                                                |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for pat recombinant protein | Inactivates phosphinothricin (PPT) by transfer of an acetyl group from acetyl CoA. This enzyme is an effector of phosphinothricin tripeptide (PTT or bialaphos) resistance.                                                    |
| References                                              | "Cloning of a phosphinothricin N-acetyltransferase gene from Streptomyces viridochromogenes Tue494 and its expression in Streptomyces lividans and Escherichia coli." Strauch E., Wohlleben W., Puehler A. Gene 63:65-74(1988) |

NCBI AND UNIPROT INFORMATION

|                            |                                      |
|----------------------------|--------------------------------------|
| NCBI GI #                  | 8474524                              |
| UniProt Accession #        | Q57146                               |
| Molecular Weight           | 22.6 kDa                             |
| NCBI Official Full Name    | Phosphinothricin N-acetyltransferase |
| UniProt Protein Name       | Phosphinothricin N-acetyltransferase |
| UniProt Gene Name          | pat                                  |
| UniProt Synonym Gene Names | PPT N-acetyltransferaseCurated       |
| UniProt Entry Name         | PAT_STRVT                            |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/pat-recombinant-protein-e-coli/18776>