

# Actinoplanes utahensis Aculeacin-A acylase Recombinant Protein | aac recombinant protein

Recombinant Actinoplanes utahensis Aculeacin-A acylase

|                               |                                                                 |
|-------------------------------|-----------------------------------------------------------------|
| CATALOG #<br><b>AAA114895</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
|-------------------------------|-----------------------------------------------------------------|

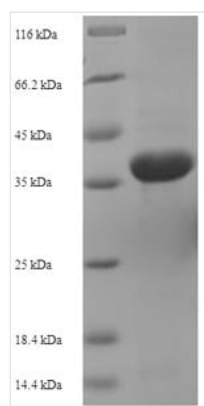
## PRODUCT SYNONYMS

Actinoplanes utahensis Aculeacin-A acylase; Recombinant Actinoplanes utahensis Aculeacin-A acylase; Aculeacin-A acylase small subunit; Aculeacin-A acylase large subunit; aac 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      | 35-214aa; Full Length of Mature Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Sequence                | GGYAALIRRA SYGVPHITAD DFGSLGFGVG YVQAEDNICV IAESVVTANG ERSRWFGATG PDDADVRTTS<br>STQAIDDRVA ERLEGPRDG VRAPCDDVRD QMRGFVAGYN HFLRRTGVHR LTDPACRGKA WVRPLSEIDL<br>WRTSWDSMVR AGSGALLDGI VAATPPTAAG PASAPEAPDA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Species                 | Actinoplanes utahensis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Production Note         | <b>Special Offer:</b> The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Colihost-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our <b>or email to</b> for more details. |
| 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 aac recombinant protein | Catalyzes the hydrolysis of the palmitoyl moiety of the antifungal antibiotic, aculeacin-A, giving a hexapeptide moiety and a long chain fatty acid.                                                      |
| References                                              | "Cloning and sequencing of the aculeacin A acylase-encoding gene from Actinoplanes utahensis and expression in Streptomyces lividans." Inokoshi J., Takeshima H., Ikeda H., Omura S. Gene 119:29-35(1992) |

NCBI AND UNIPROT INFORMATION

|                         |                     |
|-------------------------|---------------------|
| NCBI GI #               | 231481              |
| UniProt Accession #     | P29958              |
| Molecular Weight        | 35.1 kDa            |
| NCBI Official Full Name | Aculeacin-A acylase |
| UniProt Protein Name    | Aculeacin-A acylase |
| UniProt Gene Name       | aac                 |
| UniProt Entry Name      | AAC_ACTUT           |

**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/aac-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/114895>