

# Inositol phosphorylceramide synthase catalytic subunit AUR1 (AUR1) Recombinant Protein | AUR1 recombinant protein

Recombinant *Saccharomyces cerevisiae* Inositol phosphorylceramide synthase catalytic subunit AUR1 (AUR1)

|                               |                                                                 |
|-------------------------------|-----------------------------------------------------------------|
| CATALOG #<br><b>AAA115441</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
|-------------------------------|-----------------------------------------------------------------|

## PRODUCT SYNONYMS

Inositol phosphorylceramide synthase catalytic subunit AUR1 (AUR1); Recombinant *Saccharomyces cerevisiae* Inositol phosphorylceramide synthase catalytic subunit AUR1 (AUR1); AUR1 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      | 313-401aa, Partial                                                                                                                                                                                  |
| Sequence                | TKYTHLPIVD TSLFCRWSYT SIEKYDISKS DPLAADSNDI ESVPLSNLEL DFDLNMTDEP SVSPSLFDGS TSVSRSSATS ITSLGVKRA                                                                                                   |
| Sequence Length         | 401                                                                                                                                                                                                 |
| Species                 | <i>Saccharomyces cerevisiae</i> (strain 204508 / S288c) (Baker's yeast)                                                                                                                             |
| Preparation and Storage | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended. |

## ADDITIONAL INFORMATION

|                                                          |                                                                                                                                                                                                                                                                   |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for AUR1 recombinant protein | Catalytic component of the inositol phosphorylceramide synthase which catalyzes the addition of a phosphorylinositol group onto ceramide to form inositol phosphorylceramide, an essential step in sphingolipid biosynthesis.                                     |
| References                                               | "AUR1, a novel gene conferring aureobasidin resistance on <i>Saccharomyces cerevisiae</i> : a study of defective morphologies in Aur1p-depleted cells." Hashida-Okado T., Ogawa A., Endo M., Yasumoto R., Takesako K., Kato I. Mol. Gen. Genet. 251:236-244(1996) |

## NCBI AND UNIPROT INFORMATION

|                           |                                                                          |
|---------------------------|--------------------------------------------------------------------------|
| NCBI GI #                 | <a href="#">6322849</a>                                                  |
| NCBI GeneID               | <a href="#">853866</a>                                                   |
| NCBI Accession #          | <a href="#">NP_012922.1</a>                                              |
| NCBI GenBank Nucleotide # | <a href="#">NM_001179570.1</a>                                           |
| UniProt Accession #       | <a href="#">P36107</a> ; <a href="#">Q92324</a> ; <a href="#">D6VXT3</a> |
| Molecular Weight          | 26.7 kDa                                                                 |
| NCBI Official Full Name   | inositol phosphorylceramide synthase                                     |
| NCBI Official Symbol      | AUR1                                                                     |

|                            |                                                             |
|----------------------------|-------------------------------------------------------------|
| NCBI Protein Information   | inositol phosphorylceramide synthase                        |
| UniProt Protein Name       | Inositol phosphorylceramide synthase catalytic subunit AUR1 |
| UniProt Gene Name          | <b>AUR1</b>                                                 |
| UniProt Synonym Gene Names | IPC synthase catalytic subunit AUR1                         |

**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/aur1-recombinant-protein-e-coli/115441>