

Aureobasidin A

Catalog Nos.	Amount	Lot Number
630466	1 mg	Specified on product label.
630499	10 mg	Specified on product label.

Description

Aureobasidin A (AbA) is a cyclic depsipeptide antibiotic, isolated from the filamentous fungus *Aureobasidium pullulans* R106, which is toxic to yeast at low concentrations (0.1–0.5 µg/ml). Sensitive species include *Saccharomyces cerevisiae*, *Schizosaccharomyces pombe*, *Candida glabrata*, *Aspergillus nidulans* and *A. niger*. AbA inhibits a yeast enzyme, inositol phosphorylceramide (IPC) synthase, which is expressed from the *AURI* gene (Takesako et al. 1991; Hashida-Okado et al. 1996). Expression of a mutant gene, *AURI-C*, in transformed yeast confers resistance to the drug.

Package Contents

- 1 mg Aureobasidin (Cat. No. 630466)
- 10 mg Aureobasidin (Cat. No. 630499)

Storage Conditions

- Dry: Store at room temperature.
- Solutions in alcohol: Store at 4°C.

Expiration Date

- Specified on product label.

Shipping Conditions

- Room temperature

Molecular Weight

- 1,100 Da

Instructions for Use

To make a stock solution, dissolve the contents of the vial in absolute ethanol or methanol to a concentration of 0.5–5.0 mg/ml. AbA solutions should be stored at 4°C. AbA is insoluble in water.

Product Documents

Documents for our products are available for download at takarabio.com/manuals

The following documents apply to this product:

- Matchmaker® Gold Yeast Two-Hybrid System User Manual
- Matchmaker Gold Yeast One-Hybrid Library Screening System User Manual
- Yeast Media Protocol-At-A-Glance

Takara Bio USA, Inc.

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References

Hashida-Okado, T. et al. AUR1, a novel gene conferring aureobasidin resistance on *Saccharomyces cerevisiae*: A study of defective morphologies in Aur1p-depleted cells. *Mol. Gen. Genet.* **251**, 236–244 (1996).

Takesako, K. et al. Aureobasidins, new antifungal antibiotics. Taxonomy, fermentation, isolation, and properties. *J. Antibiot. (Tokyo)*. **44**, 919–24 (1991).

Quality Control Data

- **Purity:**

The purity of Aureobasidin A was determined by HPLC analysis to be $\geq 95\%$.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

Aureobasidin A

CATALOG NOS.

630466, 630499

NOTICE TO PURCHASER:

Our products are to be used for **Research Use Only**. They may not be used for any other purpose, including, but not limited to, use in humans, therapeutic or diagnostic use, or commercial use of any kind. Our products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without our prior written approval.

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