

# Certificate of Analysis

**Product Name/Description:** SCDase (Sphingolipid ceramide N-deacylase)

**Cat. #:** 4462

**Lot #:** Specified on product label

**Storage Conditions:** -20 degrees C

**Expiration Date:** Specified on product label or package

**Package Size:** 250 mU

**Package Contents:** 1. SCDase 5 mU/ $\mu$ l 250 mU

**Note:** Storage condition: Store at or below -20°C until use. Once it thawed, it is recommended to dispense the solution and store at -20°C. Repeated freeze-thaw cycles should be avoided.

**Product Documents:** Documents for Takara Bio products are available for download at [www.takara-bio.com](http://www.takara-bio.com)

**Unit Definition:** One unit of the enzyme was defined as the amount that catalyzes the hydrolysis of 1  $\mu$ mol of GM1 in a minute.

**Quality Control Data:**

Exoglycosidase contamination test:

No exoglycosidase activity was detected by HPLC analysis when 20 mU SCDase is incubated with 20 pmol of a pyridylamino oligosaccharide for 16 hrs at 37°C, in 10  $\mu$ l of buffer, pH 6.0.

Protease contamination test:

No protease activity was detected after incubation of 50 mU SCDase with 40  $\mu$ g of casein labeled with resorufin for 16 hrs at 37°C, in 40  $\mu$ l of buffer, pH 6.0.

Sphingomyelinase contamination test:

No sphingomyelinase activity was detected after incubation of 20 mU SCDase with 15 nmol of TNPAL-sphingomyelin for 16 hrs at 37°C, in 55  $\mu$ l of buffer, pH 6.0.

It is certified that this product meets above specifications.

Manager, Quality Assurance  
TAKARA BIO INC.

**Safety Information :**

Please refer to our website for safety information :

<http://www.takara-bio.com>

**Notice To Purchaser :**

This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.

Also, do not use this product as food, cosmetic, or household item, etc.

Takara products may not be resold or transferred, modified for resale or transfer, or used to manufacture commercial products without written approval from TAKARA BIO INC.

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<http://www.takara-bio.com>

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