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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 



6044 Cornerstone Court West,
Suite E
San Diego, CA 92121
Tel: 1.858.829.3082
Fax: 1.858.481.8694
Email:
info@bpsbioscience.com

Data Sheet

Fluorogenic HDAC Substrate Class2a

Catalog #: 50040
Lot#: 130830

DESCRIPTION: a fluorogenic, acetylated peptide substrate for HDAC4,5, 7 and 9.

PURITY: >95% by HPLC.

APPLICATIONS: Study enzyme kinetics, and screen small molecule inhibitors of HDAC class2a for drug discovery and HTS applications.

SUPPLIED AS: DMSO solution

QUANTITY: 50 μ l @ 5 mM

STORAGE: -20°C or -70°C.

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Assay Protocol:

Material: Assay buffer (BPS catalog number 50031); Assay developer (BPS catalog number 50030); HDAC Substrate (catalog number 50040)

Step 1: adding all reaction mixture to a low binding NUNC black plate (VWR catalog number 62408-936)

5 μ l of HDAC4 (0.1 ng/ μ l)
35 μ l of HDAC assay buffer (BPS catalog number 50031)
5 μ l of 1 mg/ml BSA
5 μ l of 200 μ M substrate (BPS catalog number 50040)

Incubate at 37 °C for 30 min.

Step 2: stop the reaction

add 50 μ l of HDAC assay developer (2x) (BPS catalog number 50030) and incubate the plate at room temperature for 15 min

Step 3: read sample in a microtiter-plate reading fluorimeter capable of excitation at a wavelength in the range 350-380 nm and detection of emitted light in the range 440-460 nm.

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