

SAHA caproKit™ 50 Reactions

List of components

SAHA Capture Compound™

The SAHA caproKit™ allows a selective isolation of HDAC1, HDAC2, HDAC3 and HDAC6 histone deacetylases (HDACs) and several components of the HDAC complexes. The synthetic SAHA Capture Compound™ (Figure 1) uses SAHA (8-(hydroxyamino)-8-oxo-N-phenyl-octanamide) as selectivity function to interrogate native proteins. The technology enables analysis, discovery and characterization of HDAC proteins through an efficient reduction of complexity of the proteome.

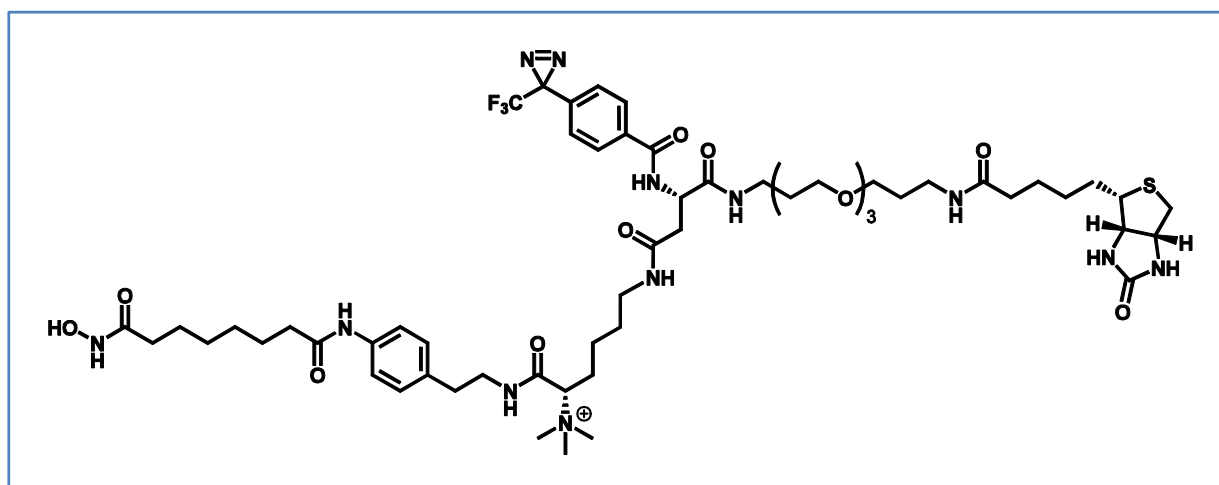


Figure 1: SAHA Capture Compound™ for the selective isolation of histone deacetylases using SAHA as selectivity function.

Item No	Component	Amount	Buffer composition
2-3010-050	Streptavidin coated magnetic beads (10 mg/ml SA-MB)	2.8 ml	Dynal Dynabeads MyOne™ Streptavidin C1 (Invitrogen)
2-2500-050	Capture buffer 4 (5x CB4)	1.2 ml	HEPES, Glycerol, KOH Triton X-100, pH 7.5
2-2200-050	Wash buffer 1 (5x WB1)	25 ml	Tris-HCl, EDTA, NaCl, Octyl-β-D-glucopyranoside, pH 7.9
2-1070-050	SAHA Capture Compound™ (SAHA-CC, 100 μM)	0.6 ml	Water
2-4070-050	SAHA competitor (0.56 mM)	0.6 ml	Water
2-5070-050	HDAC3/NcoR2 (49.7 kDa/37.6 kDa, 4.26 μM)	51.6 μl	Tris-HCl, NaCl, Tween-20, Glutathion, Glycerol, pH 8.0
3-4011-000	12 PCR Tube strips 0.2 ml (AB-1114)	5	

Note: The HDAC3/NcoR2 solution is not frozen at -20 °C to -18 °C due to the glycerol in the storage buffer. It is recommended to aliquot the SAHA Capture Compound™ solution upon arrival to avoid multiple freezing/thawing cycles of the stock solution. Protect the SAHA Capture Compound from direct light.

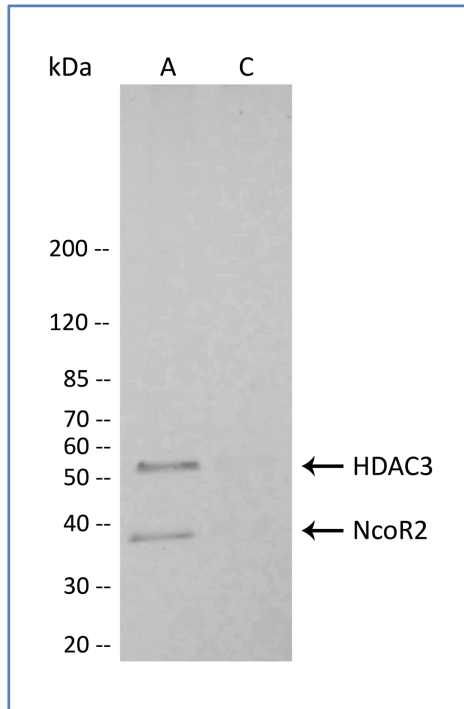
Separate 1.5 ml 5x WB1 in a fresh 2.0 ml tube for the assay. Dilute the rest of the 5x WB1 in a ratio of 1:5 in aqua bidest for washing steps and store at -20 °C to -18 °C. **Do not freeze the Streptavidin coated magnetic beads!** All solutions must be entirely thawed and mixed before usage.

Storage notification

Item No	Component	During shipment (max. 3 days)	After receipt
2-3010-050	Streptavidin coated magnetic beads (10 mg/ml SA-MB)	4 to 8 °C	4 to 8 °C
2-2500-050	Capture buffer 4 (5x CB4)	4 to 8 °C	- 20 to -18 °C
2-2200-050	Wash buffer 1 (5x WB1)	4 to 8 °C	- 20 to -18 °C
2-1070-050	SAHA Capture Compound™ (SAHA-CC, 100 μM)	4 to 8 °C	- 20 to -18 °C
2-4070-050	SAHA competitor (0.56 mM)	4 to 8 °C	- 20 to -18 °C
2-5070-050	HDAC3/NcoR2 (49.7 kDa/37.6 kDa, 4.26 μM)	4 to 8 °C	- 20 to -18 °C

Specified Functionality

Significant band (SDS-PAGE/silver stain) with 4.0 μg (46 pmol) of HDAC3/NcoR2 and significant competition with SAHA, when the capturing protocol described in the SAHA caproKit™ guideline is applied, caproBox™ and only kit components are used.



A: Capture assay with HDAC3/NcoR2

C: Control of „A“ using 56 μM SAHA as competitor

Figure 2: Capture assay (A) and SAHA competition control (C) of the positive control enzyme HDAC-3 analyzed by SDS-PAGE/silver stain.

Stability

The SAHA caproKit™ is stable under storage conditions for 6 months. After first use microbial contamination may occur.

Please read the material safety data sheet for this product at www.caprotec.com

Berlin, 08/23/2010



Head of Quality Control

Contact and order information:

Headquarters

caprotec bioanalytics GmbH

Volmerstrasse 5

D-12489 Berlin

Phone: +49 30 63 92 39 90

Fax: +49 30 63 92 39 89

Web: www.caprotec.comEmail: sales@caprotec.com**caprotec Inc., USA**

15 New England Executive Office Park

Burlington, MA 01803, USA

Phone: +1 781 685 4992

Fax: +1 781 685 4601

Web: www.caprotec.comEmail: sales@caprotec.com**Ordering information:** caprotec part number: 1-1070-050**Copyright**

© 2008-2010 caprotec bioanalytics GmbH. All rights reserved. Reproduction in whole or in part only with permission of caprotec bioanalytics GmbH.

Trademarks

caproKits, caproBox, caprotec, caproBeads, caproMag, ImproMed and Capture Compound are trademarks of caprotec bioanalytics GmbH. All other used tradenames or trademarks belong to their respective owners.

Products & Services

CCMS technology is made available as ready to use caproKit reagents and services.

For more information please visit www.caprotec.com

Or contact us. Email: info@caprotec.com

Phone: +49 30 6392 4004

Products and Services are for Research use only.

© 2008-2010 caprotec bioanalytics GmbH