



SAHA caproKit™ 10 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.

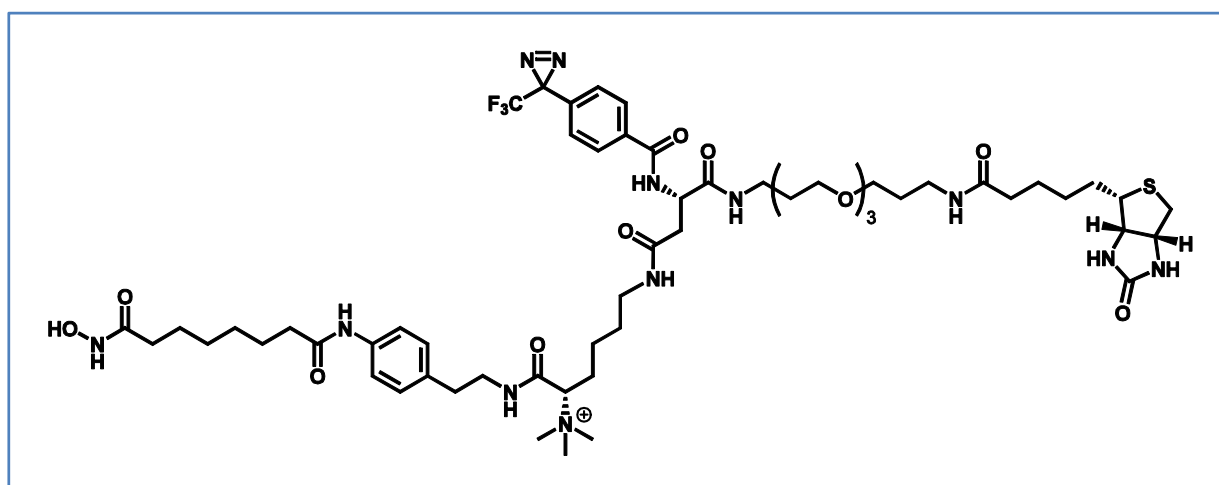


Figure 1: SAHA Capture Compound™ for the selective isolation of histone deacetylases using SAHA as selectivity function.

Item No	Component	Amount	Buffer composition
2-3010-010	Streptavidin coated magnetic beads (10 mg/ml SA-MB)	0.56 ml	Dynal Dynabeads MyOne™ Streptavidin C1 (Invitrogen)
2-2500-010	Capture buffer 4 (5x CB4)	0.25 ml	HEPES, Glycerol, KOH Triton X-100, pH 7.5
2-2200-010	Wash buffer 1 (5x WB1)	4.8 ml	Tris-HCl, EDTA, NaCl, Octyl-β-D-glucopyranoside, pH 7.9
2-1070-010	SAHA Capture Compound™ (SAHA-CC, 100 μM)	0.12 ml	Water
2-4070-010	SAHA competitor (0.56 mM)	0.12 ml	Water
2-5070-010	HDAC3/NcoR2 (49.7 kDa/37.6 kDa, 4.26 μM)	25.8 μl	Tris-HCl, NaCl, Tween-20, Glutathion, Glycerol, pH 8.0
3-4011-000	12 PCR Tube strips 0.2 ml (AB-1114)	1	

Note: The HDAC3/NcoR2 solution is not frozen at -20 °C to -18 °C due to the glycerol in the storage buffer. Protect the SAHA Capture Compound™ from direct light.

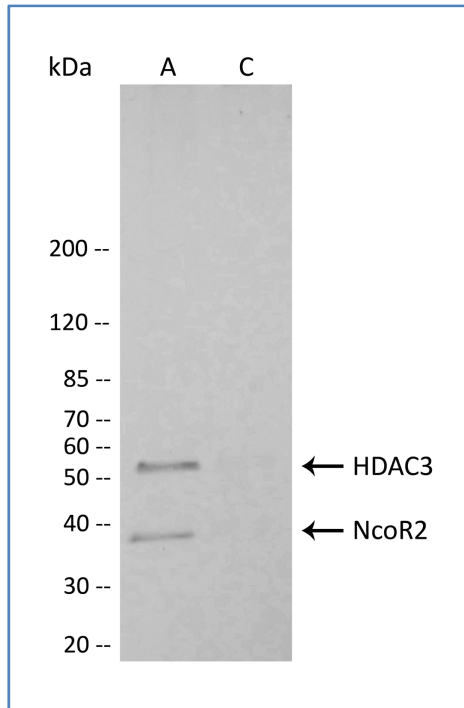
Separate 300 μl 5x WB1 in a fresh 1.5 ml tube for the assay. Dilute the rest of the 5x WB1 in a ratio of 1:5 in aqua bidest for washing steps and store at -20 °C to -18 °C. **Do not freeze the Streptavidin coated magnetic beads!** All solutions must be entirely thawed and mixed before usage.

Storage notification

Item No	Component	During shipment (max. 3 days)	After receipt
2-3010-010	Streptavidin coated magnetic beads (10 mg/ml SA-MB)	4 to 8 °C	4 to 8 °C
2-2500-010	Capture buffer 4 (5x CB4)	4 to 8 °C	- 20 to -18 °C
2-2200-010	Wash buffer 1 (5x WB1)	4 to 8 °C	- 20 to -18 °C
2-1070-010	SAHA Capture Compound™ (SAHA-CC, 100 μM)	4 to 8 °C	- 20 to -18 °C
2-4070-010	SAHA competitor (0.56 mM)	4 to 8 °C	- 20 to -18 °C
2-5070-010	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 HDAC3 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

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Products & Services

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

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