



SAH caproKit™ 10 Reactions

List of components

SAH Capture Compound™

The SAH caproKit™ allows a selective isolation of SAH- and SAM-binding proteins. The synthetic SAH Capture Compound™ (Figure 1) uses *S*-adenosyl-L-homocystein (SAH) as selectivity function to interrogate native proteins. SAH is attached via an aminobutyl group at N⁶ to the Capture Compound Scaffold. The Capture Compound Mass Spectrometry (CCMS) technology enables analysis, discovery and characterization of SAH-binding proteins through an efficient reduction of the complexity of the proteome.

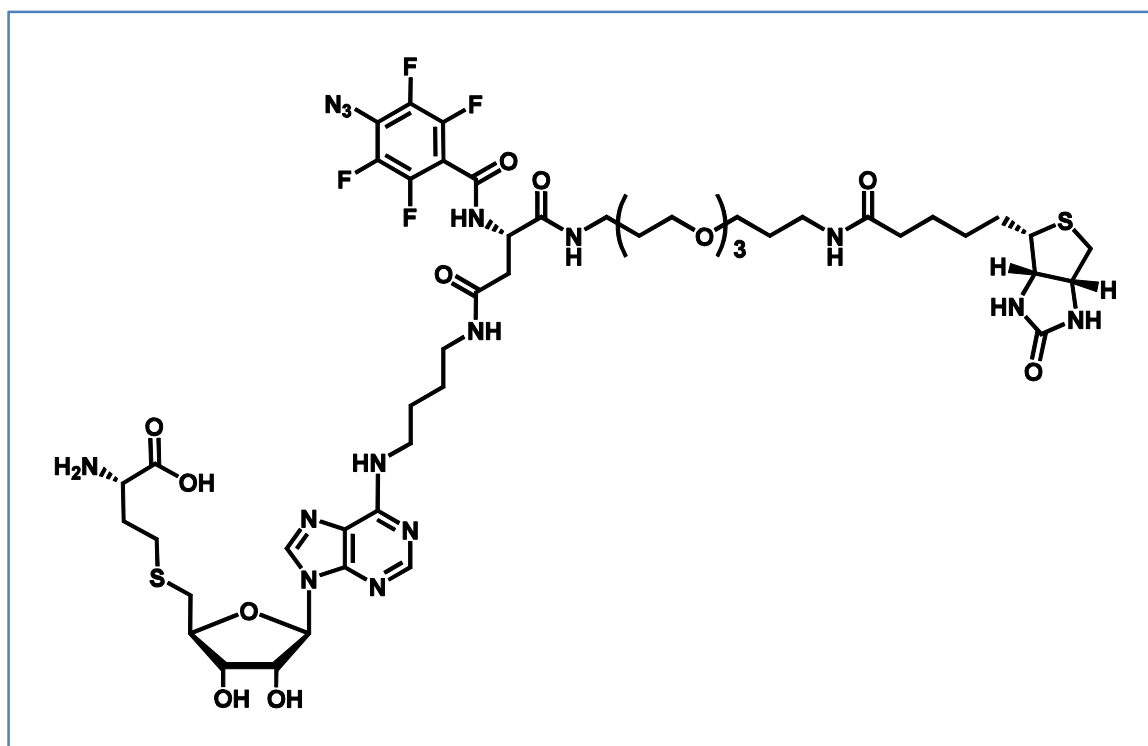


Figure 1: SAH Capture Compound™ for the selective isolation of SAH-binding proteins using SAH as selectivity function.

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)
2-2100-010	Capture buffer 1 (5x CB1)	0.25 ml	HEPES, KOAc, Mg(OAc) ₂ , Glycerol, Triton X-100, pH 7.5
2-2200-010	Wash buffer 1 (5x WB1)	4.8 ml	Tris-Base, EDTA, NaCl, Octyl-β-D-glucopyranoside, pH 7.9
2-1011-010	SAH Capture Compound™ (SAH-CC, 100 μM)	0.3 ml	Water
2-4010-010	SAH competitor (10 mM)	0.24 ml	Water
2-5010-010	M.TaqI (47.8 kDa, 25 μM)	5 μl	KCl, Mg(OAc) ₂ , KOAc, DTT, Glycerol, Tris, pH 7.9
3-4011-000	12 PCR Tube strips 0.2 ml (AB-1114)	1	

Note: The M.TaqI solution will not freeze due to the glycerol in the storage buffer. Protect the SAH Capture Compound™ from direct light.

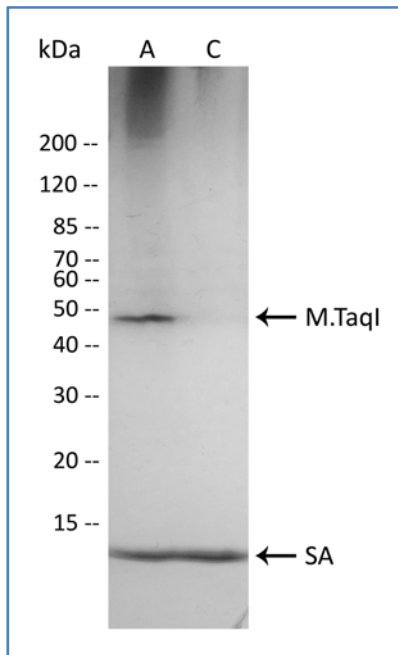
Separate 300 μl 5x WB1 in a fresh 1.5 ml tube for the assay. Dilute the rest of the 5x WB1 in a ratio of 1:5 in aqua bidest for washing steps and store at -20 °C to -18 °C. **Do not freeze the Streptavidin coated magnetic beads!** All solutions must be entirely thawed and mixed before usage.

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
2-2100-010	Capture buffer 1 (5x CB1)	4 to 8 °C	- 20 to -18 °C
2-2200-010	Wash buffer 1 (5x WB1)	4 to 8 °C	- 20 to -18 °C
2-1011-010	SAH Capture Compound™ (SAH-CC, 100 μM)	4 to 8 °C	- 20 to -18 °C
2-4010-010	SAH competitor (10 mM)	4 to 8 °C	- 20 to -18 °C
2-5010-010	M.TaqI (47.8 kDa, 25 μM)	4 to 8 °C	- 20 to -18 °C

Specified Functionality

Significant band (SDS-PAGE/silver stain) with 1.2 µg (25 pmol) of M.TaqI and significant competition with SAH, when the capturing protocol described in the SAH caproKit™ guideline is applied, caproBox™ and only kit components are used.



A: Capture assay with M.TaqI

C: Control of „A“ using 2 mM SAH as competitor

SA: Streptavidin from Streptavidin coated magnetic bead

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

Stability

The SAH 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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