



## Stauro caproKit™ 50 Reactions

### List of components

#### Stauro Capture Compound™

The Stauro caproKit™ allows a selective isolation of Staurosporine-binding proteins. The synthetic Stauro Capture Compound™ (Figure 1) uses Staurosporine (Stauro) as selectivity function to interrogate native proteins. Staurosporine is attached via fully N2-methylated lysyl-glycyl group at the N1 to the Capture Compound Scaffold. The Capture Compound Mass Spectrometry (CCMS) technology enables analysis, discovery and characterization of Staurosporine-binding proteins through an efficient reduction of the complexity of the proteome.

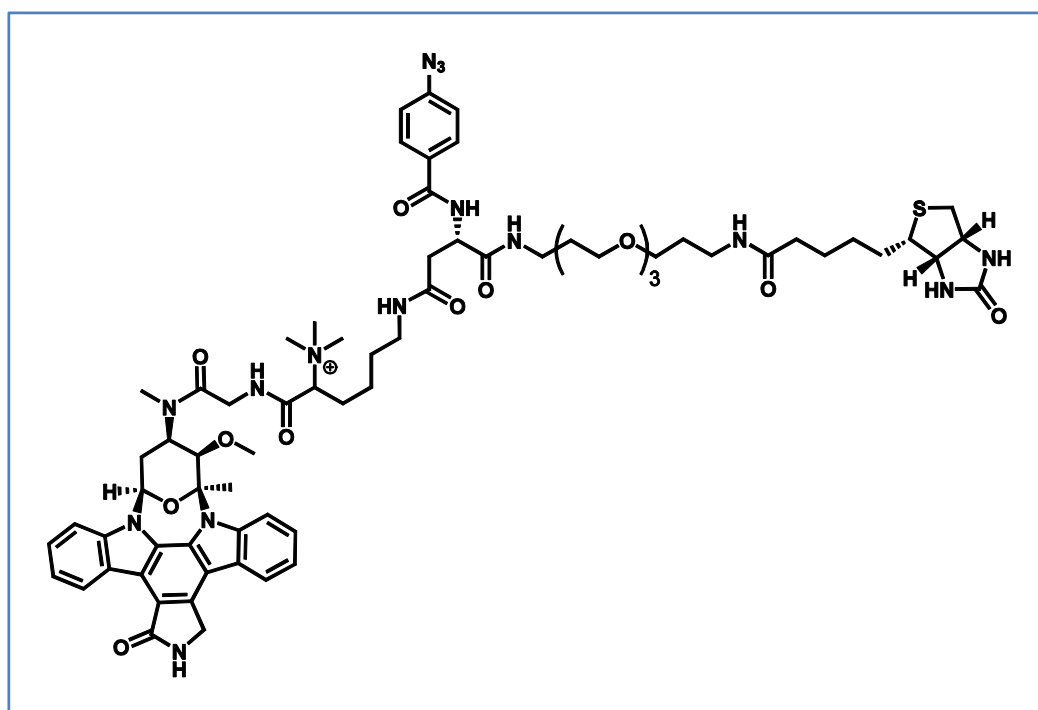


Figure 1: Stauro Capture Compound™ for selective isolation of Staurosporine-binding proteins using Staurosporine as selectivity function.

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)
2-2100-050	Capture buffer 1 (5x CB1)	1.2 ml	HEPES, KOAc, Mg(OAc) <sub>2</sub> , Glycerol, 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
2-1020-050	Stauro Capture Compound™ (Stauro-CC, 50 μM)	0.6 ml	Water
2-4020-050	Stauro competitor (1 mM)	1.2 ml	Water
2-5020-050	PKA C $\alpha$ (43 kDa, 8 μM)	40 μl	NaCl, K <sub>2</sub> HPO <sub>4</sub> , EDTA, Glycerol, β-mercaptoethanol, pH 6.5
3-4011-000	12 PCR Tube strips 0.2 ml (AB-1114)	5	

**Note:** The PKA C $\alpha$  solution will not freeze due to the glycerol in the storage buffer. It is recommended to aliquot the Stauro Capture Compound™ solution upon arrival to avoid multiple freezing/thawing cycles of the stock solution. Protect the Stauro Capture Compound™ from direct light.

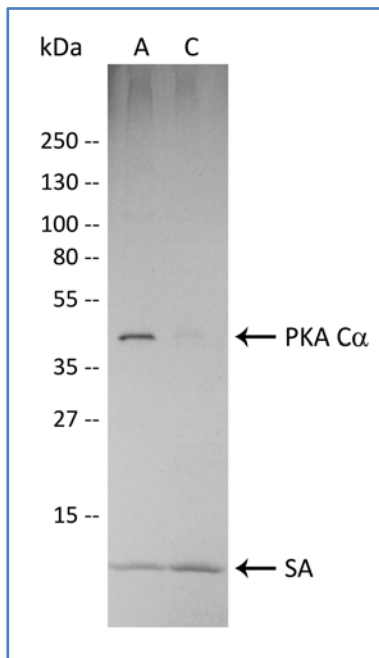
**Separate 1.5 ml 5x WB1 in a fresh 2.0 ml tube for the assay.** Dilute the rest of the 5x WB1 in a ratio of 1:5 in aqua bidest for washing steps and store at -20 °C to -18 °C. **Do not freeze the Streptavidin coated magnetic beads!** All solutions must be entirely thawed and mixed before usage.

## 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
2-2100-050	Capture buffer 1 (5x CB1)	4 to 8 °C	- 20 to -18 °C
2-2200-050	Wash buffer 1 (5x WB1)	4 to 8 °C	- 20 to -18 °C
2-1020-050	Stauro Capture Compound™ (Stauro-CC, 50 μM)	4 to 8 °C	- 20 to -18 °C
2-4020-050	Stauro competitor (1 mM)	4 to 8 °C	- 20 to -18 °C
2-5020-050	PKA C $\alpha$ (43 kDa, 8 μM)	4 to 8 °C	- 20 to -18 °C

## Specified Functionality

Significant band (SDS-PAGE/silver stain) with 3.1  $\mu\text{g}$  (72 pmol) of PKA  $C\alpha$  and significant competition with Staurosporine, when the capturing protocol described in the Stauro caproKit™ guideline is applied, caproBox™ and only kit components are used.



A: Capture assay with PKA  $C\alpha$

C: Control of "A" using 0.2 mM Staurosporine as competitor

SA: Streptavidin from Streptavidin coated magnetic beads

Figure 2: Capture assay (A) and Staurosporine competition control (C) of the positive control protein PKA  $C\alpha$  analyzed by SDS-PAGE/silver stain.

## Stability

The Stauro 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](http://www.caprotec.com).

Berlin, 08/23/2010

  
Head of Quality Control

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**Ordering information:** caprotec part number: 1-1020-050

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### Products & Services

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

For more information please visit [www.caprotec.com](http://www.caprotec.com)

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