

## cGMP caproKit™ 10 Reactions

### List of components

#### cGMP Capture Compound™

The cGMP caproKit™ allows a selective isolation of cGMP-binding proteins and protein-protein interacting partners. The synthetic Capture Compound™ (Figure 1) uses cyclic guanosine-monophosphate as selectivity function to interrogate native proteins. The technology enables analysis, discovery and characterization of cGMP-binding proteins through an efficient complexity reduction of the proteome.

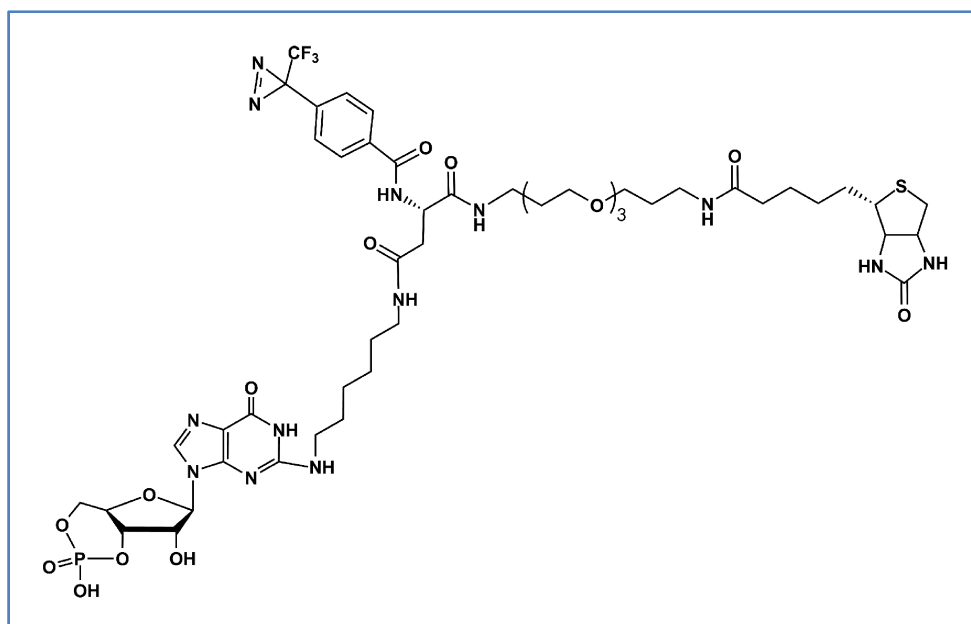


Figure 1 cGMP Capture Compound for selective isolation of cGMP binding proteins using cGMP as selectivity function.

Component	Amount	Composition	Storage
Capture buffer (5x CB)	0.25 ml	HEPES, KOAc, Mg(OAc) <sub>2</sub> , Glycerol, Triton X-100, pH 7.5	4 to 8 °C
Wash buffer 1 (5x WB1)	4.8 ml	Tris*HCl, EDTA, NaCl, Octyl-β-D-glucopyranoside, pH 7.9	4 to 8 °C
Streptavidin coated magnetic beads (10 mg/ml SA-MB)	0.56 ml	Dynal Dynabeads MyOne™ Streptavidin C1 (Invitrogen)	4 to 8 °C
Cyclic guanosine-monophosphate (40 mM cGMP competitor)	0.12 ml	Water	4 to 8 °C
PKA RI (16 μM)	3 μl	NaCl, K <sub>2</sub> HPO <sub>4</sub> , EDTA, Glycerol, β-mercaptoethanol, pH 6.8	- 20 to -18 °C
cGMP Capture Compound (100 μM cGMP-CC)	0.3 ml	Water	- 20 to -18 °C

**Note:** The PKA RI solution will not freeze due to the glycerol in the storage buffer, whereas the Capture Compound solution and cGMP solution freeze and need to be completely thawed before usage. It is recommended to aliquot the Capture Compound solution upon arrival to avoid multiple freezing/thawing cycles of the stock solution.

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 4 to 8 °C.



Please read the material safety data sheet for this product at [www.caprotec.com](http://www.caprotec.com)

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

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