



## #X0200G Green cADDIs cAMP for Gi

### Materials included

- cADDIs cAMP sensor BacMam 10 mL  $\sim 2 \times 10^{10}$  VG/mL in TNM-FH Insect Culture Medium (Allele Biotech product #ABP-MED-10001).

Green fluorescent sensor that increases in fluorescence intensity in response to decreases in cAMP.  
Baculovirus stock should be stored at 4°C and protected from light. Avoid repeated freeze/thaw cycles.
- Sodium Butyrate (Sigma Aldrich product # B5887) 500 mM in H<sub>2</sub>O.

Sodium Butyrate is added to the culture to maintain BacMam expression. Other HDAC inhibitors may work as well.
- hD2 Receptor BacMam in TNM-FH Insect Culture Medium (Allele Biotech product #ABP-MED-10001).

The Gi-coupled hD2 Receptor provided as a positive control for the purpose of assay optimization. Your own Gi-coupled receptor of interest may either be present in your cell line, or delivered via transduction/viral vector, or via plasmid/transfection.
- G<sub>as</sub>

Constitutively active G<sub>as</sub>, increases steady-state levels of cAMP and eliminates the need for forskolin.
- Quinpirole hydrochloride 2 mM in Sterile Water  
Activates Gi signaling through the hD2 positive control receptor.

### Biosafety

BacMam is the modified baculovirus, *Autographa californica*, AcMNPV. Baculovirus is pseudotyped to infect mammalian cells, but it cannot replicate in the cells and its genome is silent in mammalian cells. While it should be handled carefully, in a sterile environment, it is classified as a BSL 1 reagent.

This product is for research use only and is not recommended for use or sale in human or animal diagnostic or therapeutic products.

**Detailed protocols are available on the Montana Molecular Website under the Home Page Menu > Protocols**

[www.montanamolecular.com](http://www.montanamolecular.com)

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