



#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 H₂O.

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_{as}

Constitutively active G_{as}, 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

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