



**#U0200G Green Upward cADDIs cAMP**  
**#D0200G Green Downward cADDIs cAMP**  
**#U0200R Red Upward cADDIs cAMP**

## Materials included

- cADDIs cAMP sensor in BacMam vector  $\sim 2 \times 10^{10}$  VG/mL in TNM-FH Insect Culture Medium (Allele Biotech product #ABP-MED-10001).  
Baculovirus stock should be stored at 4°C and protected from light. Avoid repeated freeze/thaw cycles
- $\beta 2$  Adrenergic Receptor in BacMam vector in TNM-FH Insect Culture Medium (Allele Biotech product #ABP-MED-10001).  
This G<sub>s</sub>-coupled receptor is a good positive control for the assay. Mix the receptor BacMam with the cADDIs BacMam according to the protocol. Activate this receptor with isoproterenol.  
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.  
Add Sodium Butyrate to the culture to maintain BacMam expression. Other HDAC inhibitors may work as well or even better in certain cell types.
- Isoproterenol 10 mM in 10 mM HCl  
Isoproterenol stimulates G<sub>s</sub> signaling through the  $\beta 2$  Adrenergic receptor resulting in an increase in cAMP that is easily detectable with cADDIs.

## 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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