

Product Code: BBL-3024

NEW ASSAY!

Transcreener[®] cGAMP cGAS Assay

Enzyme Target: Cyclic AMP-GMP Synthase (cGAS)

Detection Formats: FP, TR-FRET

Direct Detection of cGAMP with an FP or TR-FRET Readout

Discover cGAS Inhibitors with a Simple Biochemical Assay

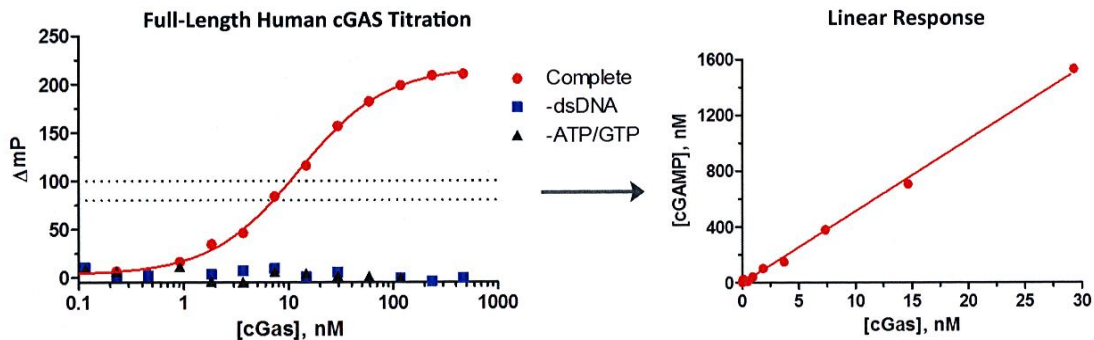
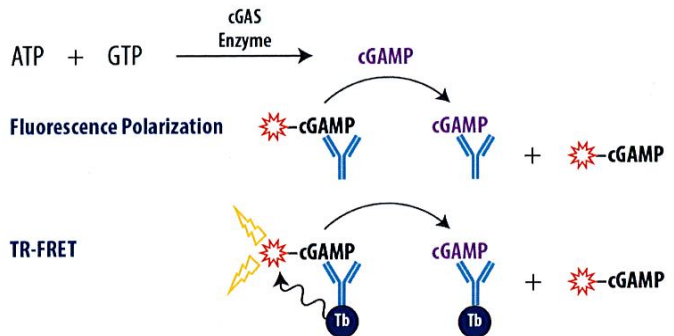
The Transcreener cGAS Assay directly measures cyclic GMP-AMP (cGAMP) produced by cyclic GMP-AMP synthase (cGAS). By measuring the production of cGAMP, researchers can effectively determine activity of the cGAS enzyme. The assay provides a powerful tool to screen entire compound libraries for cGAS modulators to help find new therapeutics targeting the cGAS-STING pathway.

Simple, Mix-and-Read, HTS-Ready

The Transcreener cGAS Assay is in a simple, HTS-ready, mix-and-read format. Run your enzyme reaction, add Transcreener reagents, and read your plates. The assay is compatible with 96, 384, and 1536-well formats.

Detection of cGAMP Under cGAS Initial Velocity

The assay demonstrates linearity when raw data is converted to cGAMP using a standard curve. cGAS is dependent on double-stranded DNA as well as ATP and GTP substrates for the production of cGAMP.



Pilot Screen & Dose-Response

The Transcreener cGAS Assay is designed for screening compound libraries in a high throughput format. Follow up SAR can also be performed using the assay to determine inhibitor potency with ease.

