

Transcreener cGAS Assays

High-Throughput Mix-and-Read Assays for cGAMP Detection

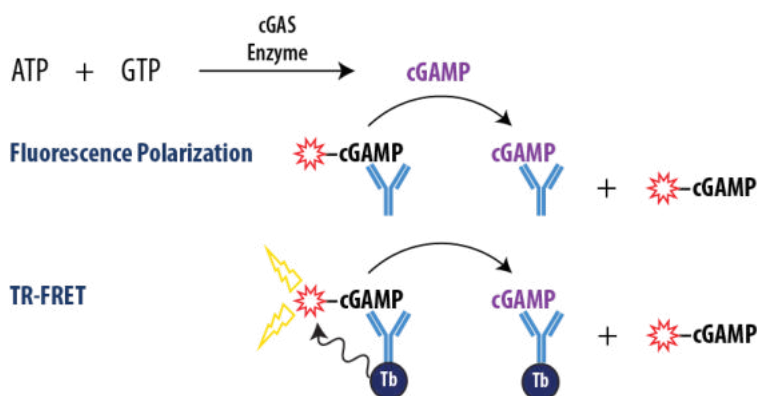


Assay Overview

The Transcreener cGAS Assay provides a robust, HTS-ready solution for measuring cGAS enzymatic activity by directly detecting cGAMP, the product of cGAS-mediated dsDNA sensing.

Single-Step cGAS Assay for Screening and Lead Discovery

- Simple - Easy to use, homogenous, one-step format
- Direct detection of unlabeled cGAMP (FP or TR-FRET Readouts)
- Robust Assay - $Z' > 0.7$ under initial velocity conditions
- Flexible - Use continuous or endpoint assay methods



Key Benefits

- Direct detection of unlabeled cGAMP leads to better sensitivity and accuracy than ATP depletion methods
- Far-red fluorescent readouts minimize compound interference
- Compatible with 96, 384, or 1536-well formats

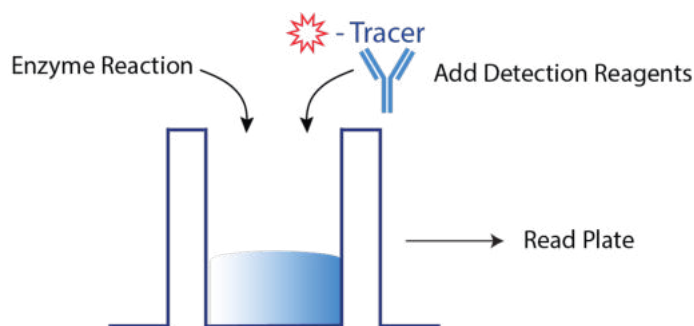
Applications

- Measure enzymatic activity of cGAS
- Screen compound libraries for cGAS inhibitors
- Quantify inhibitor potency
- Determine inhibitor-cGAS residence time
- Profile for off-target effects

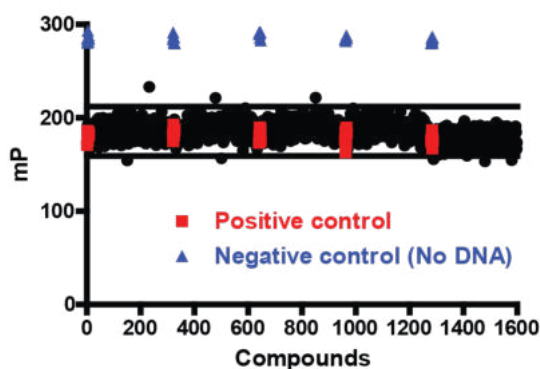
Screen Smarter with HTS-Ready Assays and Enzymes

Simple HTS-Ready Protocol

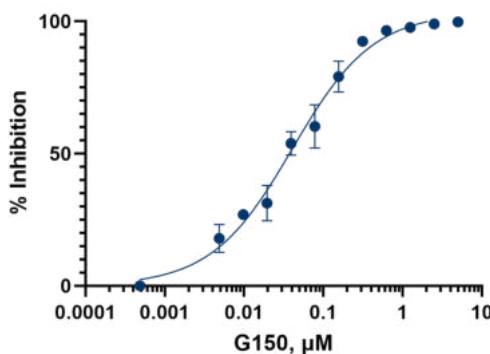
Just perform your enzyme reaction, add Transcreener reagents, and read your plate. The assay is robust for screening large or small libraries and provides accurate results for follow-up dose-response assays. Why mess with multiple steps and false positives from coupled luciferase assays?



Screen for cGAS Modulators



Profile Hits Quickly



Combine Proven HTS Assays and Active Enzymes

Save time and money with assays and enzymes validated for HTS. Get results faster with optimized assay conditions and protocols.

Assays	1K Part #	10K Part #
Transcreener cGAMP cGAS Assay FP Readout	BBL-3024-1K	BBL-3024-10K
Transcreener cGAMP cGAS Assay TR-FRET Readout	BBL-3025-1K	BBL-3025-10K

Enzymes	10 μg Part #	100 μg Part #
Human cGAS Enzyme, Active, Full-length	BBL-2227	BBL-2228
Mouse cGAS Enzyme, Active, Full-length	BBL-2239	BBL-2300