CREATIVE BIOMART®
Assay Kit

HSP90? (N-terminal) Assay Kit

Product Information

Cat.No. Kit-1749

Product Overview

Hsp90a is a molecular chaperone with essential functions in maintaining transformation. Inhibition of Hsp90a function has been shown to play a role in tumorigenesis and disease progression.

Size

384 reactions

Description

The HSP90a (N-terminal) Assay Kit is designed for identification of HSP90a inhibitors using fluorescence polarization. The assay is based on the competition of fluorescently labeled geldanamycin for binding to purified recombinant HSP90a. The key to the HSP90a Assay Kit is the fluorescently labeled geldanamycin. Using this kit, only one simple step on a microtiter plate is required for HSP90a reactions. The fluorescently labeled geldanamycin is incubated with a sample containing HSP90a enzyme to produce a change in fluorescent polarization that can then be measured using a fluorescence reader.

Applications

Great for studying enzyme kinetics and screening small molecular inhibitors for drug discovery and HTS applications.

Storage

Stable for at least 12 months from date of receipt, when stored as directed. Kit components require different storage conditions. Be sure to store each component at the proper temperature upon arrival.

Kit Components

Hsp90a recombinant enzyme: 140 µg; -80°C FITC-labeled geldanamycin (2.5 µM): 2 x 30 µl; -80°C 5x Hsp90 assay buffer: 2 x 4 ml; -20°C Black, low binding NUNC microtiter plate: 1; Room temp.

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