CREATIVE BIOMART®
Assay Kit

Caspase-6 Inhibitor Screening Kit (Fluorometric)

Product Information

Product Overview

Caspase-6 Inhibitor Screening Assay Kit provides a robust and easy-to-use platform for identifying novel inhibitors of human caspase-6, a cysteine protease implicated in multiple neurodegenerative disorders. The assay uses a caspase-6-specific fluorogenic substrate, Z-VEID-AFC. Caspase-6 cleaves this substrate generating free AFC, which can be easily quantified using a fluorescence plate reader at excitation and emission wavelengths of 400 and 505 nm, respectively. The potent and reversible caspase-6 inhibitor Ac-VEID-CHO is included as a positive control and inhibits caspase-6 with an IC50 value of 12 nM.

Size

384 wells

Storage

Kit will arrive packaged as a -80°C kit. After opening kit, store individual components as stated below.

Shipping

Dry ice

Kit Components

Caspase Assay Buffer (5X): 1 vial/5 ml, -20°C.
DTT (1 M) Assay Reagent: 1 vial/1 ml, -20°C.
Caspase-6 Substrate (Z-VEID-AFC): 1 vial/50 µl, -20°C.
Caspase-6 Enzyme (human, recombinant): 1 vial/15 µl, -80°C.
Caspase-6 Inhibitor (Ac-VEID-CHO): 1 vial/25 µl, -20°C.
384-Well Solid Plate (low volume; black): 1 plate, RT.
Foil Plate Cover: 1 ea, RT.

Materials Required but Not Supplied

1. A plate reader with the ability to measure fluorescence with excitation and emission wavelengths of 400 and 505 nm, respectively

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2. Adjustable pipettes and a multichannel pipette
3. A source of pure water; glass-distilled water or deionized water is acceptable

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