

Caspase-6 Inhibitor Screening Kit (Fluorometric)

Cat. No. Kit-2330 **Lot. No.** (See product label)

SPECIFICATION

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 IC ₅₀ 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 2. Adjustable pipettes and a

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multichannel pipette 3. A source of pure water; glass-distilled water or deionized water is acceptable

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