CREATIVE BIOMART®
Assay Kit

Proteasome 20S assay Kit

Product Information

Cat.No.	Kit-0723

Size

96 wells

Description

Fluorogenic, non-radioactive assay designed to measure chymotrypsin-like protease activity of purified 20S proteasome. This 96-well assay is useful for screening inhibitors and modulators of the 20S proteasome. The kit includes purified, human erythrocyte 20S proteasome (20µg). The Suc-LLVY-AMC fluorogenic peptide substrate supplied with this kit is a proteasome substrate commonly used for measuring chymotrypsin-like peptidase activity. The detection of proteolytic activity is based on the release of free AMC fluorophore and offers the following advantages: non-radioactive, convenient real-time kinetics of substrate cleavage, and excellent sensitivity. A proteasome inhibitor, epoxomicin, is included as a test inhibitor for screening purposes.

Applications

Fluorescence microscopy, HTS

Storage

-20°C

Kit Components

Proteasome 20S (human) (purified)Suc-Leu-Leu-Val-Tyr-AMCProteasome Assay BufferSodium Dodecyl SulfateEpoxomicinAMC (7-Amino-4-methylcoumarin) Calibration Standard1/2 Volume White Microplates

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA