

PRODUCT DATA SHEET



BML-AK740

Proteasome 20S assay kit

Product Number/Sizes

BML-AK740-0001

1 Kit

Product Specifications

QUANTITY:

96 assays

KIT/SET CONTAINS:

Proteasome 20S (human) (purified) (Prod. No. BML-PW8720) Suc-Leu-Leu-Val-Tyr-AMC (Prod. No. BML-P802) Proteasome Assay Buffer (Prod. No. BML-KI340) Sodium Dodecyl Sulfate (Prod. No. BML-KI341) Epoxomicin (Prod. No. BML-PI127) AMC (7-Amino-4-methylcoumarin) Calibration Standard (Prod. No. BML-KI144) 1/2 Volume White Microplates (Prod. No. BML-KI110)

SHIPPING:

SHIPPED ON BLUE ICE

LONG TERM STORAGE:

+4°C

HANDLING:

Do not freeze.

Product Description

A QuantiZyme™ Assay System - DO NOT FREEZE. 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.

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WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

MATERIAL SAFETY DATA: This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Material Safety Data Sheet.

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