

Casein, TAMRA-conjugated

Cat. No. DYE-137 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Description

In the intact substrate, casein is heavily labeled with TAMRA, resulting in almost total quenching of the conjugate's fluorescence. Compared to the fluoresceinated casein, TAMRA-labeled casein demonstrates pH-insensitive fluorescence. It is readily used for continuous fluorometric measurement of protease activity. Protease-catalyzed hydrolysis relieves this quenching conjugate, yielding brightly red fluorescent dye-labeled peptides. The increase in fluorescence intensity is directly proportional to protease activity. The lightly TAMRA-labeled casein may be useful for a continuous assay if monitored by fluorescence polarization.

Ex(nm)

545

Em(nm)

576

Solvent

Water

Storage

Store at -20°C in the dark. Dessicated.

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