CREATIVE BIOMART®
Assay Kit

PRSS7 Activity Fluorometric Assay Kit

Product Information

Cat.No. Kit-0738

Product Overview

PRSS7 Activity Assay Kit (Fluorometric) is used for measuring enteropeptidase/enterokinase activity using fluorometric methods.

Description

Enteropeptidase (Enterokinase, EC 3.4.21.9) is a serine protease involved in activation of trypsinogen to trypsin, which in turn results in the activation of various digestive enzymes. It recognizes a highly specific amino acid sequence "DDDDK" and cleaves after the lysine residue. High specific activity of Enteropeptidase has been utilized in cleaving a variety of native or fusion protein tags containing the above recognition motif. In PRSS7 Activity Assay Kit (Fluorometric), we have utilized a peptide substrate containing the Enteropeptidase recognition sequence along with a fluorescent label "AFC". Enteropeptidase catalyzes the cleavage of this substrate and releases the AFC molecule, which can be easily quantified by measuring its fluorescence at Ex/Em = 380/500 nm. This assay kit is simple and rapid and can detect Enteropeptidase activity as low as 1 mU.

Applications

Measurement of Enteropeptidase activity in biological samples or purified Enteropeptidase activity.Removing tag from recombinant proteins having recognition motif.

Usage

For research use only (RUO)

Storage

Store kit at –20°C, protected from light. Warm Assay Buffer, Enteropeptidase Substrate & AFC Standard to room temperature before use. Briefly centrifuge small vials at low speed (high speed not ideal for enzymes) prior to opening. Read the entire protocol before performing the experiment.

Kit Components

Enteropeptidase Assay Buffer 20 mlEnteropeptidase Substrate (10 mM, in DMSO) 0.2 mlHuman

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

CREATIVE BIOMART®
Assay Kit

PRSS7 Activity Fluorometric Assay Kit

Enteropeptidase (Positive Control) 17 μlAFC Standard (1 mM) 100 μl

Detection method Fluorometric

Compatible Sample Types

Biological samples

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