

Native Rabbit Peptidyl Arginine Deiminase

Cat. No. NATE-0501

Lot. No. (See product label)

Introduction

Description

Peptidyl arginine deiminase is the enzyme that converts arginine into citrulline. Calcium is required for peptidylarginine deiminase activity in vitro.

Applications

Peptidyl arginine deiminase has been used in a study that assessed promising novel biomarkers for the early diagnosis of rheumatoid arthritis. It has also been used in a study to investigate the autopathogenic correlation of periodontitis and rheumatoid arthritis.

Synonyms

protein-arginine deiminase; peptidylarginine deiminase; PAD; EC 3.5.3.15; 75536-80-0

Product Information

Species

Rabbit

Source

Rabbit skeletal muscle

Form

buffered aqueous glycerol solution; Solution in 20 mM Tris-HCl, pH 7.4, containing 10 mM 2-mercaptoethanol, 1 mM EDTA and 10% glycerol

EC Number

EC 3.5.3.15

CAS No.

75536-80-0

Activity

> 200 units/mg protein (Bradford)

Unit Definition

One unit will produce 1 μ mole of N- α -benzoylcitrulline ethyl ester from BAEE per hr at 55°C at pH 7.2.

Storage and Shipping Information

Storage

-70°C