Creative Enzymes®

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 µmole of N-α-benzoylcitrulline ethyl ester from BAEE per hr at 55°C at pH 7.2.

Storage and Shipping Information

Storage	−70°C