

## Dipeptidyl Peptidase VII from Human, Recombinant

Cat. No. NATE-0206

Lot. No. (See product label)

### Introduction

#### Description

DPP7 is essential for maintaining lymphocytes and fibroblasts in G (0). The inhibition of DPP7 results in apoptosis, which is mediated by the induction of c-Myc and p53. DPP7 has strong sequence homology with prolylcarboxypeptidase and is active at both acidic and neutral pH.

#### Applications

Dipeptidyl Peptidase VII (DPP7), also known as DPP2 or quiescent cell proline dipeptidase, is a post-proline cleaving aminopeptidase that is expressed in quiescent lymphocytes. DPP7 is used to study the regulation of cell quiescence. Like DPP4, DPP7 may be useful in diabetes and vascular disease research.

#### Synonyms

EC 3.4.14.-; DPP7; Quiescent cell proline dipeptidase; Dipeptidyl Peptidase VII; DPP VII

### Product Information

#### Species

Human

#### Source

Sf9 cells

#### Form

Supplied as a solution in 25 mM Tris-HCl, pH 8.0, 130 mM NaCl, 0.05% Tween-20, 10% glycerol

#### EC Number

EC 3.4.14.-

#### Molecular Weight

89.1 kDa

#### Unit Definition

One unit will hydrolyze 1.0 picomole of Ala-Pro-AMC per minute at pH 7.4 at 25°C

### Storage and Shipping Information

#### Storage

-70°C