Creative Enzymes®

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 lymph ocytes. 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