

3',5'-cyclic-AMP phosphodiesterase

Cat. No. EXWM-3736

Lot. No. (See product label)

Introduction

Description

Requires Mg²⁺ or Mn²⁺ for activity. This enzyme is specific for 3',5'-cAMP and does not hydrolyse other nucleoside 3',5'-cyclic phosphates such as cGMP (cf. EC 3.1.4.17, 3,5-cyclic-nucleotide phosphodiesterase and EC 3.1.4.35, 3,5-cyclic-GMP phosphodiesterase). It is involved in modulation of the levels of cAMP, which is a mediator in the processes of cell transformation and proliferation.

Synonyms

cAMP-specific phosphodiesterase; cAMP-specific PDE; PDE1; PDE2A; PDE2B; PDE4; PDE7; PDE8; PDEB1; PDEB2

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 3.1.4.53

Reaction

adenosine 3',5'-cyclic phosphate + H₂O = AMP

Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.