

PDE4A4B active from Human, Recombinant

Cat. No. NATE-0524

Lot. No. (See product label)

Introduction

Description

Human PDE4A4B, also known as PDE4A isoform 1 (GenBank Accession No. NM_001111307) amino acids 2-end with N-terminal GST-tag, MW= 124 kDa, expressed in a Baculovirus infected Sf9 cell expression system.

Applications

Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

Synonyms

DPDE2; PDE46; phosphodiesterase 4A, cAMP-specific; PDE4A10; PDE4A

Product Information

Species

Human

Source

Baculovirus infected Sf9 cells

Form

aqueous solution

Molecular Weight

mol wt 124 kDa

Purity

> 40% (SDS-PAGE)

Pathway

DARPP-32 events, organism-specific biosystem; G Protein Signaling Pathways, organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; Morphine addiction, organism-specific biosystem; Morphine addiction, conserved biosystem; Myometrial Relaxation and Contraction Pathways, organism-specific biosystem

Function

3,5-cyclic-AMP phosphodiesterase activity; 3,5-cyclic-nucleotide phosphodiesterase activity; cAMP binding; drug binding; hydrolase activity; metal ion binding; phosphoric diester hydrolase activity

Unit Definition

One unit is defined as the amount of enzyme that will convert 1 pmole of 3', 5'-cAMP to 5'-AMP per min at 37°C.

Storage and Shipping Information

Storage

-70°C