Creative Enzymes®

PDE7B active from Mouse, Recombinant

Cat. No. NATE-0531

Lot. No. (See product label)

Introduction

Description	Mouse PDE7B (GenBank Accession No. NM_013875) amino acids 108-446 (end) with N-terminal GST-tag, MW=65 kDa, expressed in a Baculovirus-infected Sf9 cell expression system.
Applications	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
Synonyms	PDE7B; phosphodiesterase 7B; cAMP-specific 3,5-cyclic phosphodiesterase 7B

Product Information

Species	Mouse
Source	Baculovirus infected Sf9 cells
Form	aqueous solution
Molecular Weight	mol wt 65 kDa
Purity	> 65% (SDS-PAGE)
Pathway	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; Purine metabolism, organism-specific biosystem; Purine metabolism, conserved biosystem
Function	3,5-cyclic-AMP phosphodiesterase activity; 3,5-cyclic-AMP phosphodiesterase activity; 3,5-cyclic-nucleotide phosphodiesterase activity; catalytic activity; hydrolase activity; metal ion binding; phosphoric diester hydrolase activity
Unit Definition	1 unit is defined as the amount of enzyme that will convert 1 pmole of 3', 5'-cAMP to 5' AMP per min at 30°C.

Storage and Shipping Information

Storage	−70°C