Creative Enzymes®

Phosphodiesterase 7A active from Mouse, Recombinant

Cat. No. NATE-0529

Lot. No. (See product label)

Introduction

Description	Mouse PDE7A (GenBank Accession No. NM_001122759) amino acids 147-482 (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	PDE7A; phosphodiesterase 7A; cAMP-specific 3,5-cyclic phosphodiesterase 7A

Product Information

Species	Mouse
Source	Baculovirus infected Sf9 cells
Form	aqueous solution
Molecular Weight	mol wt 65 kDa
Purity	> 22% (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-nucleotide phosphodiesterase activity; catalytic activity; cyclic-nucleotide phosphodiesterase 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 37°C.

Storage and Shipping Information

Storage	−70°C