

## 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