

## Phosphodiesterase 2A active from Rat, Recombinant

Cat. No. NATE-0520

Lot. No. (See product label)

### Introduction

#### Description

cGMP-dependent 3',5'-cyclic phosphodiesterase is an enzyme that in humans is encoded by the PDE2A gene.

#### Synonyms

PDE2A; phosphodiesterase 2A, cGMP-stimulated; CGS-PDE; PDE2A1; PED2A4; cGSPDE

### Product Information

#### Species

Rat

#### Source

Baculovirus infected Sf9 cells

#### Form

aqueous solution

#### Molecular Weight

mol wt 133 kDa

#### Purity

> 56% (SDS-PAGE)

#### Pathway

G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; Hemostasis, organism-specific biosystem; Morphine addiction, organism-specific biosystem; Morphine addiction, conserved biosystem; Nitric oxide stimulates guanylate cyclase, organism-specific biosystem; Platelet homeostasis, organism-specific biosystem

#### Function

3,5-cyclic-nucleotide phosphodiesterase activity; TPR domain binding; cAMP binding; cGMP binding; cGMP binding; cGMP-stimulated cyclic-nucleotide phosphodiesterase activity; calcium channel activity; cyclic-nucleotide phosphodiesterase activity; drug binding; drug binding; hydrolase activity; metal ion binding; nucleotide binding; phosphoric diester hydrolase activity; protein binding; protein homodimerization activity

### Storage and Shipping Information

#### Storage

-70°C