

## PDE5A1 active from Mouse, Recombinant

Cat. No. NATE-0528

Lot. No. (See product label)

### Introduction

**Description** Mouse PDE5A (GenBank Accession No. NM\_153422) full length 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** CN5N; phosphodiesterase 5A, cGMP-specific; PDE5A1; PDE5A

### Product Information

**Species** Mouse

**Source** Baculovirus infected Sf9 cells

**Form** aqueous solution

**Molecular Weight** mol wt 124 kDa

**Purity** > 70% (SDS-PAGE)

**Pathway** Hemostasis, organism-specific biosystem; Nitric oxide stimulates guanylate cyclase, organism-specific biosystem; Platelet homeostasis, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, conserved biosystem; cGMP effects, organism-specific biosystem; cyclic GMP biosynthesis, organism-specific biosystem

**Function** 3,5-cyclic-GMP phosphodiesterase activity; 3,5-cyclic-nucleotide phosphodiesterase activity; cGMP binding; catalytic activity; cyclic-nucleotide phosphodiesterase activity; hydrolase activity; metal ion binding; nucleotide binding; phosphoric diester hydrolase activity

### Storage and Shipping Information

**Storage** -70°C