

## PDE4D2 active from Human, Recombinant

Cat. No. NATE-0525

Lot. No. (See product label)

### Introduction

**Description** Human PDE4D2 (GenBank Accession No. NM\_001197221) amino acids 2-507 (end) with N-terminal GST-tag, MW=84 kDa, expressed in a Baculovirus infected Sf9 cell expression system.

**Applications** Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

**Synonyms** DPDE3; PDE43; STRK1; phosphodiesterase 4D, cAMP-specific; PDE4D2; PDE4D

### Product Information

**Species** Human

**Source** Baculovirus infected Sf9 cells

**Form** aqueous solution

**Molecular Weight** mol wt 84 kDa

**Purity** > 80% (SDS-PAGE)

**Pathway** DARPP-32 events, organism-specific biosystem; 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; Myometrial Relaxation and Contraction Pathways, organism-specific biosystem

**Function** 3,5-cyclic-AMP phosphodiesterase activity; 3,5-cyclic-nucleotide phosphodiesterase activity; cAMP binding; drug binding; hydrolase activity; metal ion binding; phosphoric diester hydrolase activity

**Unit Definition** One 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 in a reaction buffer.

### Storage and Shipping Information

**Storage** -70°C