Creative Enzymes®

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