Creative Enzymes®

PDE4A10 active from Human, Recombinant

Cat. No. NATE-0523

Lot. No. (See product label)

Introduction

Description	Human PDE4A10, also known as PDE4A protein isoform 6, transcript variant 3 (GenBank Accession No. NM_001111309) amino acids 2-825 (end) with N-terminal GST-tag, MW= 117 kDa, expressed in a Baculovirus infected Sf9 cell expression system.
Applications	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
Synonyms	DPDE2; PDE46; phosphodiesterase 4A, cAMP-specific; PDE4A10; PDE4A

Product Information

Species	Human
Source	Baculovirus infected Sf9 cells
Form	aqueous solution
Molecular Weight	mol wt 117 kDa
Purity	> 75% (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.

Storage and Shipping Information

Storage	−70°C