

Product datasheet

Recombinant human PDE1A protein ab125661

2 Images

Overview

Product name Recombinant human PDE1A protein
Protein length Full length protein

Description

Nature Recombinant
Source Baculovirus infected Sf9 cells

Amino Acid Sequence

Accession [P54750-4](#)
Species Human
Molecular weight 64 kDa including tags
Amino acids 2 to 545
Tags His tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab125661** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Biological activity The specific activity of ab125661 was determined to be 12250 - 12290 nmol/min/mg.

Applications Functional Studies
 SDS-PAGE

Purity > 90 % Densitometry.
 Purity was determined to be >90% by densitometry.

Form Liquid

Preparation and Storage

Stability and Storage Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
 pH: 7.00
 Preservative: 1.02% Imidazole

Constituents: 1.05% MOPS, 0.002% PMSF, 0.004% DTT, 25% Glycerol, 1.75% Sodium chloride

This product is an active protein and may elicit a biological response in vivo, handle with caution.

General Info

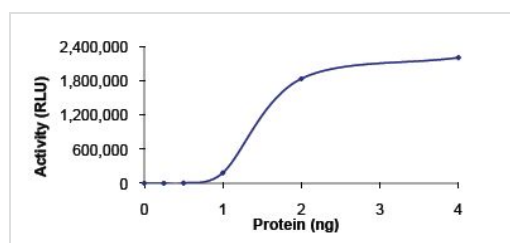
Function	Cyclic nucleotide phosphodiesterase with a dual-specificity for the second messengers cAMP and cGMP, which are key regulators of many important physiological processes. Has a higher affinity for cGMP than for cAMP.
Tissue specificity	Several tissues, including brain, kidney, testes and heart.
Sequence similarities	Belongs to the cyclic nucleotide phosphodiesterase family. PDE1 subfamily.

Images



SDS-PAGE analysis of ab125661.

SDS-PAGE - PDE1A protein (Active) (ab125661)



Sample Phosphodiesterase Assay showing the specific activity of ab125661 as 12250 nmol/min/mg.

Functional Studies - PDE1A protein (Active) (ab125661)

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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