

Product datasheet

Recombinant human PDE4B3 protein (Active) ab271680

2 Images

Description

Product name	Recombinant human PDE4B3 protein (Active)
Biological activity	Specific Activity: 10,500 pmole/min/μg. 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.
Purity	>= 90 % SDS-PAGE.
Expression system	Baculovirus infected Sf9 cells
Accession	Q07343
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Predicted molecular weight	108 kDa
Amino acids	2 to 721
Tags	GST tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab271680** in the following tested applications.

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

Applications	SDS-PAGE Functional Studies
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle. pH: 8 Constituents: 0.63% Tris HCl, 0.64% Sodium chloride, 0.02% Potassium chloride, 0.04% Tween,
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0.05% DTT, 20% Glycerol

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

General Info

Relevance

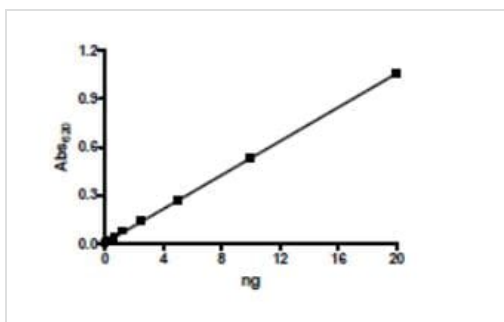
Enzymes of the cAMP-dependent phosphodiesterase type 4 (PDE4) family are important in hydrolyzing cAMP produced by G-protein coupled receptor (GPCR) stimulated adenylyl cyclases. Four genes (PDE4A, B, C and D) make up the PDE4 family. cAMP-dependent phosphodiesterase type B (PDE4B) family is consists of 4 known splice variants, PDE4B1, B2, B3 and a novel 66 kDa PDE4B4 protein. One or more subtype variants of PDE4B are ubiquitously present in all mammalian cells. In CNS, all four PDE4B subtype variants are expressed in varying ratios and their activity is regulated in tandem with GPCRs stimulation. Some PDE4B variants are also substrate for PKA-dependent phosphorylation.

Images



SDS-PAGE analysis of 2 µg ab271680.

SDS-PAGE - Recombinant human PDE4B3 protein
(Active) (ab271680)



Specific activity of ab271680 was 10,500 pmole/min/µg.

Functional Studies - Recombinant human PDE4B3
protein (Active) (ab271680)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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