

Recombinant human PDE4B protein ab125582

[5 Images](#)

Description

Product name	Recombinant human PDE4B protein
Biological activity	The specific activity of ab125582 was determined to be 538 nmol/min/mg.
Purity	>= 70 % Densitometry. Affinity purified.
Expression system	Baculovirus infected Sf9 cells
Accession	<u>Q07343</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Predicted molecular weight	78 kDa including tags
Amino acids	305 to 736
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab125582** in the following tested applications.

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

Applications	Functional Studies SDS-PAGE
Form	Liquid

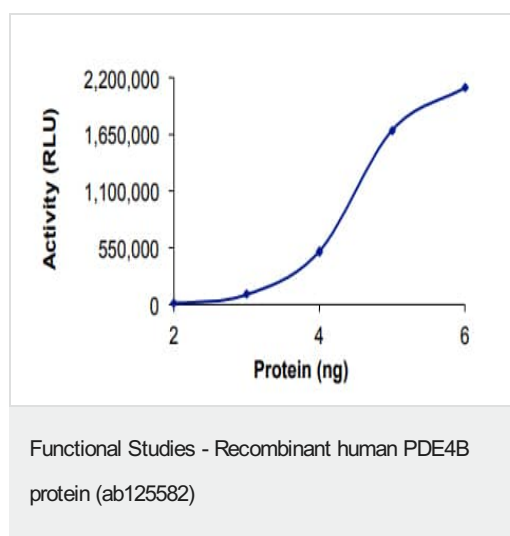
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.31% Glutathione, 0.002% PMSF, 0.004% DTT, 0.79% Tris HCl, 0.003% EDTA, 25% Glycerol (glycerin, glycerine), 0.88% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
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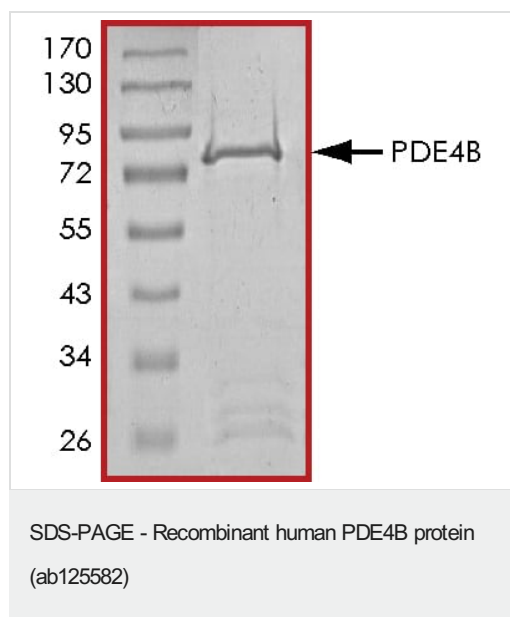
General Info

Function	Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes. May be involved in mediating central nervous system effects of therapeutic agents ranging from antidepressants to antiasthmatic and anti-inflammatory agents.
Tissue specificity	Expressed in brain, heart, lung and skeletal muscle.
Pathway	Purine metabolism; 3',5'-cyclic AMP degradation; AMP from 3',5'-cyclic AMP: step 1/1.
Sequence similarities	Belongs to the cyclic nucleotide phosphodiesterase family. PDE4 subfamily.

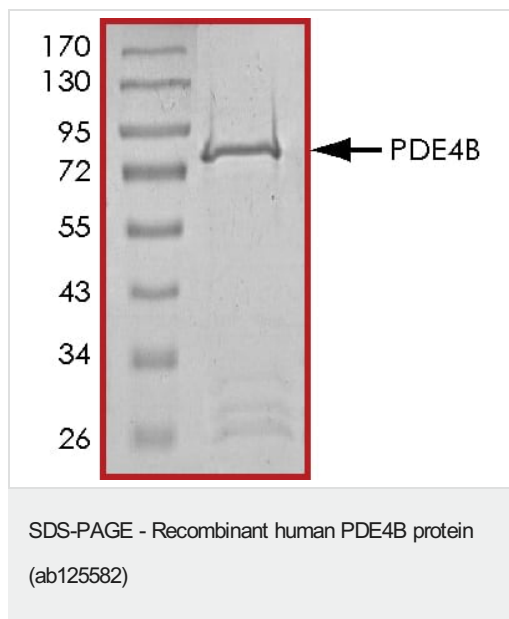
Images



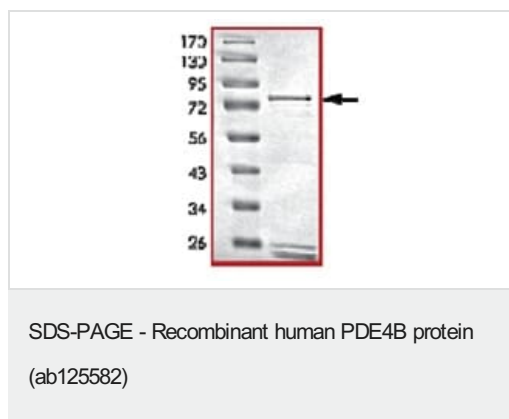
The specific activity of PDE4B (ab125582) was determined to be 470 nmol/min/mg as per activity assay protocol



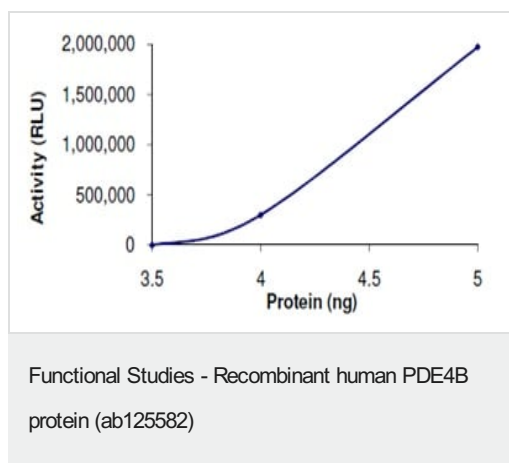
SDS PAGE analysis of ab125582



SDS PAGE analysis of ab125582



SDS Page analysis of ab125582



The specific activity of ab125582 was determined to be 538 nmol/min/mg.

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

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