

Recombinant human PDE5A/PDE5 protein ab125581

1 References [画像数 5](#)

製品の詳細

製品名	Recombinant human PDE5A/PDE5 protein
生理活性	The specific activity of ab125581 was determined to be 2275 nmol/min/mg.
精製度	> 90 % Densitometry. The purity was determined to be 95% by densitometry. Affinity purified.
発現系	Baculovirus infected Sf9 cells
アクセッション番号	<u>O76074</u>
タンパク質長	Protein fragment
Animal free	No
由来	Recombinant
生物種	Human
予測される分子量	63 kDa including tags
領域	537 to 875
タグ	GST tag N-Terminus

特性

Our **Abpromise guarantee** covers the use of **ab125581** in the following tested applications.

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

アプリケーション	Functional Studies SDS-PAGE
製品の状態	Liquid
備考	This product was previously labelled as PDE5A

前処理および保存

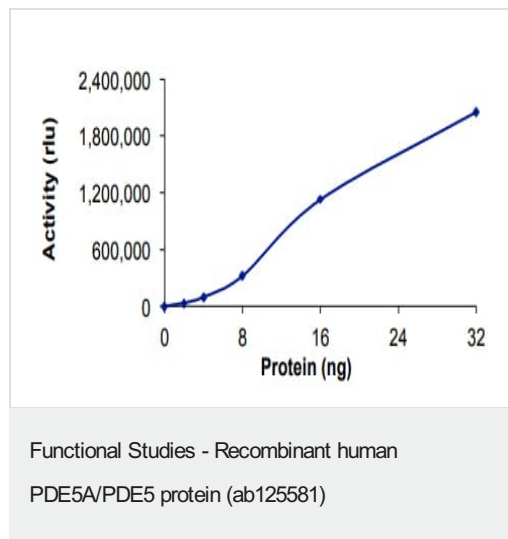
保存方法および安定性	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.002% PMSF, 0.5% Magnesium chloride, 0.003% DTT, 0.79% Tris HCl, 25% Glycerol (glycerin, glycerine), 0.29% Sodium chloride
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This product is an active protein and may elicit a biological response in vivo, handle with caution.

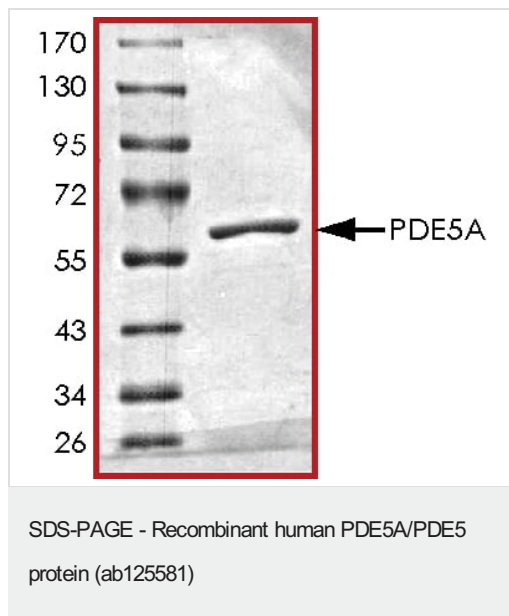
関連情報

機能	Plays a role in signal transduction by regulating the intracellular concentration of cyclic nucleotides. This phosphodiesterase catalyzes the specific hydrolysis of cGMP to 5'-GMP.
組織特異性	Expressed in aortic smooth muscle cells, heart, placenta, skeletal muscle and pancreas and, to a much lesser extent, in brain, liver and lung.
パスウェイ	Purine metabolism; 3',5'-cyclic GMP degradation; GMP from 3',5'-cyclic GMP: step 1/1.
配列類似性	Belongs to the cyclic nucleotide phosphodiesterase family. Contains 2 GAF domains.
ドメイン	Composed of a C-terminal catalytic domain containing two putative divalent metal sites and an N-terminal regulatory domain which contains two homologous allosteric cGMP-binding regions, A and B.
翻訳後修飾	Phosphorylation is regulated by binding of cGMP to the two allosteric sites.

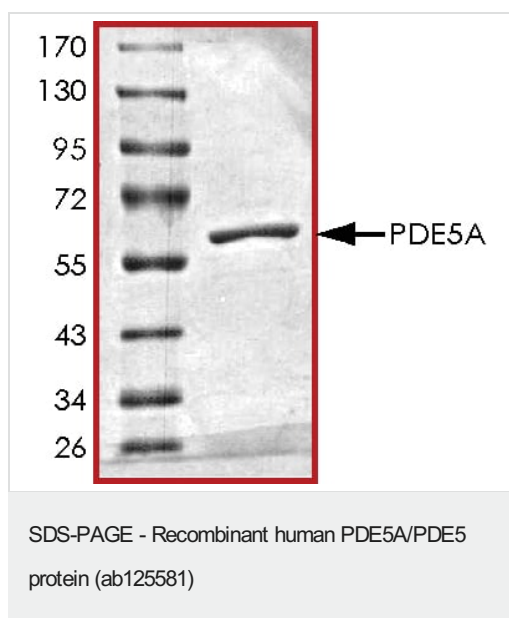
画像



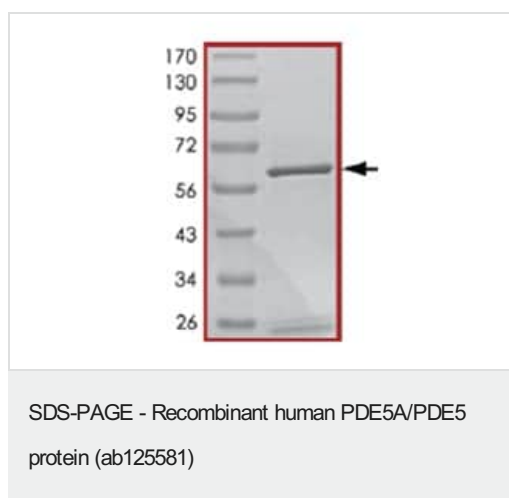
The specific activity of PDE5A/PDE5 (ab125581) was determined to be 1940 nmol/min/mg as per activity assay protocol



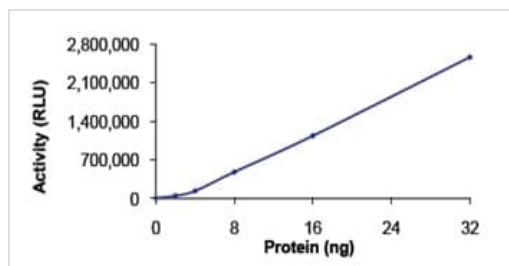
SDS PAGE analysis of ab125581



SDS PAGE analysis of ab125581



SDS Page analysis of ab125581



The specific activity of ab125581 was determined to be 2275 nmol/min/mg.

Functional Studies - Recombinant human
PDE5A/PDE5 protein (ab125581)

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

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