

Recombinant mouse PDE2A protein (Active) ab271674

画像数 2

製品の詳細

製品名	Recombinant mouse PDE2A protein (Active)
生理活性	Specific Activity: $\geq 20,000$ pmole/min/ μ g. 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. Assay condition: 10 mM Tris-HCl, pH 7.4, 10 mM MgCl ₂ , 0.1 mg/ml BSA, 0.05% Tween-20, 200 μ M cAMP, and serial dilutions of PDE2A at 37°C for 20 min. Quantified by 5' nucleotidase cleaving the 5'-AMP product and releasing the phosphate group which is detected by Malachite Green Reagent.
精製度	≥ 88 % SDS-PAGE. Affinity purified.
発現系	Baculovirus infected Sf9 cells
アクセッション番号	<u>Q5PR72</u>
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Mouse
予測される分子量	132 kDa including tags
領域	2 to 935
タグ	GST tag N-Terminus

特性

Our **Abpromise guarantee** covers the use of **ab271674** 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

前処理および保存

保存方法および安定性

Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.63% Tris HCl, 0.64% Sodium chloride, 0.02% Potassium chloride, 0.04% Tween, 20% Glycerol (glycerin, glycerine), 0.05% Glutathione

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

関連情報

機能

Cyclic nucleotide phosphodiesterase with a dual-specificity for the second messengers cAMP and cGMP, which are key regulators of many important physiological processes.

組織特異性

Expressed in brain and to a lesser extent in heart, placenta, lung, skeletal muscle, kidney and pancreas.

配列類似性

Belongs to the cyclic nucleotide phosphodiesterase family. PDE2 subfamily. Contains 2 GAF domains.

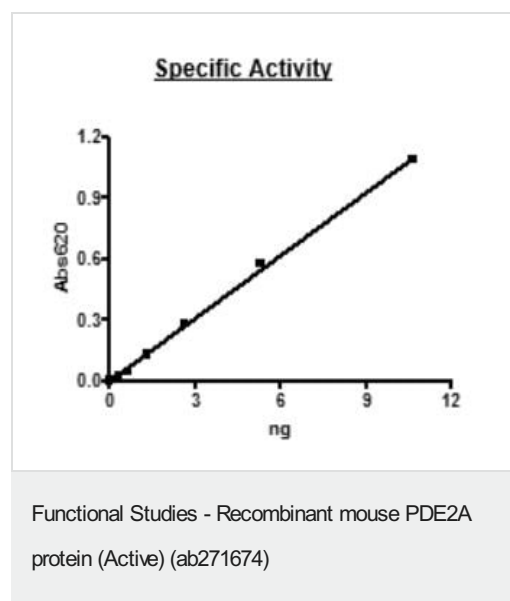
ドメイン

GAF 1 functions as a dimerization domain, whereas GAF 2 binds cGMP, which causes activation of the catalytic activity of the enzyme.

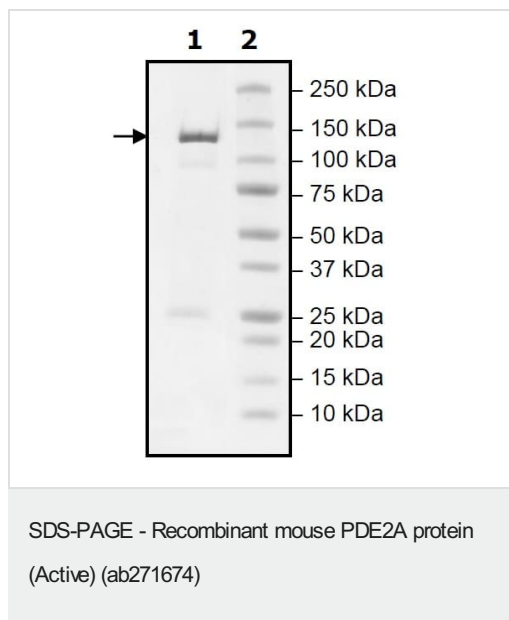
細胞内局在

Membrane.

画像



Specific activity of ab271674 was $\geq 20,000$ pmole/min/ μ g.



SDS-PAGE analysis of 1.5 µg ab271674.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors