

Product datasheet

Recombinant mouse PDE10A protein ab79743

画像数 2

製品の概要

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| 製品名 | Recombinant mouse PDE10A protein |
| タンパク質長 | Full length protein |

法規制情報

カルタヘナ法

製品の詳細

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| 由来 | Recombinant |
| 由来 | Baculovirus infected Sf9 cells |
| アミノ酸配列 | |
| 生物種 | Mouse |

特性

Our [Abpromise guarantee](#) covers the use of **ab79743** in the following tested applications.

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

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| 生理活性 | Specific Activity: 599 pmol/min/μg. |
| 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

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| 保存方法および安定性 | Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. Preservative: None Constituents: 50% Glycerol, 0.05% Tween 20, 3mM DTT, 25mM Tris HCl, 100mM Sodium chloride, pH 8.0 This product is an active protein and may elicit a biological response in vivo, handle with caution. |
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関連情報

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| 機能 | Plays a role in signal transduction by regulating the intracellular concentration of cyclic nucleotides. Can hydrolyze both cAMP and cGMP, but has higher affinity for cAMP and is more efficient with cAMP as substrate. |
| 組織特異性 | Abundant in the putamen and caudate nucleus regions of brain and testis, moderately expressed in the thyroid gland, pituitary gland, thalamus and cerebellum. |
| パスウェイ | Purine metabolism; 3',5'-cyclic AMP degradation; AMP from 3',5'-cyclic AMP: step 1/1. 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 | The tandem GAF domains bind cAMP, and regulate enzyme activity. The binding of cAMP stimulates enzyme activity. Composed of a C-terminal catalytic domain containing two divalent metal sites and an N-terminal regulatory domain which contains one cyclic nucleotide-binding region. |
| 細胞内局在 | Cytoplasm. Located mostly to soluble cellular fractions. |

画像

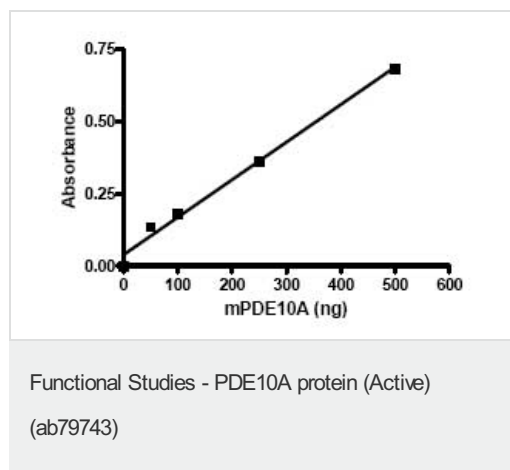
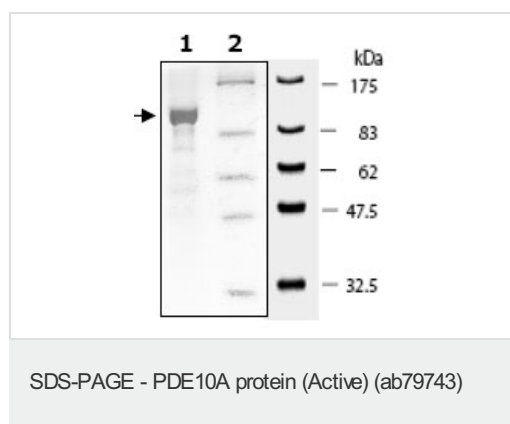


Image showing specific activity of ab79743.



10% SDS-PAGE showing ab79743 at approximately 114.5kDa (7µg).

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

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