

## Product datasheet

# Recombinant Human PDE10A protein ab54064

### 概述

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产品名称	重组人PDE10A蛋白
蛋白长度	Full length protein

### 描述

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性质	Recombinant
来源	Baculovirus infected Sf9 cells

### 氨基酸序列

种属	Human
标签	GST tag N-Terminus

### 技术指标

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Our [Abpromise guarantee](#) covers the use of **ab54064** in the following tested applications.

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

应用	Inhibition Assay
	SDS-PAGE
	ELISA

形式	Liquid
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### 制备和贮存

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稳定性和存储	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Preservative: None Constituents: 50% Glycerol, 0.05% Tween 20, 3mM DTT, 25mM Tris HCl, 20mM Glutathione, 100mM Sodium chloride, pH 8
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### 常规信息

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功能	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
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	efficient with cAMP as substrate.
<b>组织特异性</b>	Abundant in the putamen and caudate nucleus regions of brain and testis, moderately expressed in the thyroid gland, pituitary gland, thalamus and cerebellum.
<b>通路</b>	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.
<b>序列相似性</b>	Belongs to the cyclic nucleotide phosphodiesterase family. Contains 2 GAF domains.
<b>结构域</b>	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.
<b>细胞定位</b>	Cytoplasm. Located mostly to soluble cellular fractions.

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