

## Product datasheet

# Recombinant PDE10A protein ab54064

### 概述

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产品名称	Recombinant PDE10A protein
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	
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

### 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 efficient with cAMP as substrate.
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<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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