

# Recombinant human PDE9A protein ab125666

## 2 图像

### 描述

产品名称	重组人PDE9A蛋白
生物活性	The specific activity of ab125666 was determined to be 53 - 60 nmol/min/mg.
纯度	> 90 % Densitometry. Purity was determined to be >90% by densitometry. Affinity purified.
表达系统	Baculovirus infected Sf9 cells
Accession	<b><u>O76083-2</u></b>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
预测分子量	86 kDa including tags
氨基酸	1 to 533

### 技术指标

Our **Abpromise guarantee** covers the use of **ab125666** in the following tested applications.

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

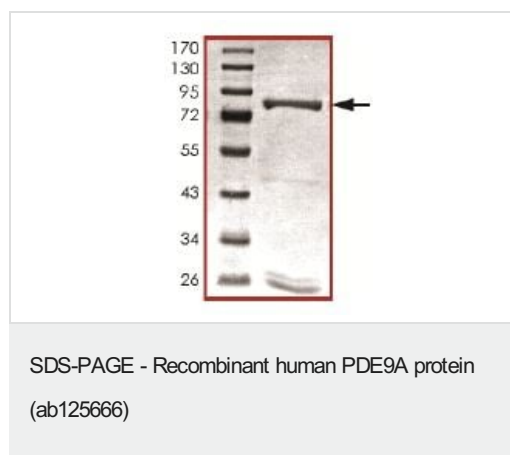
应用	Functional Studies SDS-PAGE
形式	Liquid

### 制备和贮存

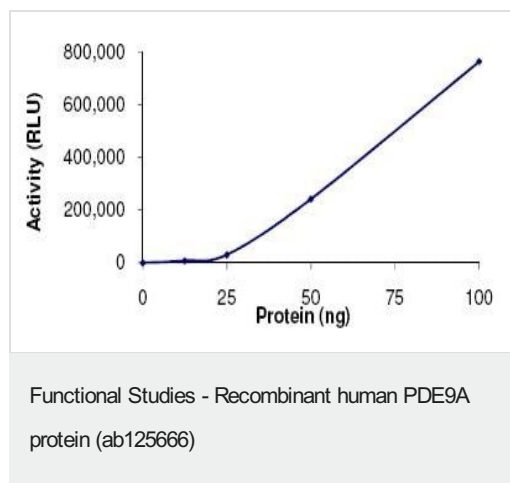
稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.31% Glutathione, 0.002% PMSF, 0.004% DTT, 0.79% Tris HCl, 0.003% EDTA, 25% Glycerol (glycerin, glycerine), 0.88% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
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功能	Hydrolyzes the second messenger cGMP, which is a key regulator of many important physiological processes.
组织特异性	Expressed in all tissues examined (testis, brain, small intestine, skeletal muscle, heart, lung, thymus, spleen, placenta, kidney, liver, pancreas, ovary and prostate) except blood. Highest levels in brain, heart, kidney, spleen, prostate and colon. Isoform PDE9A12 is found in prostate.
序列相似性	Belongs to the cyclic nucleotide phosphodiesterase family. PDE9 subfamily.
结构域	Composed of a C-terminal catalytic domain containing two putative divalent metal sites and an N-terminal regulatory domain.
细胞定位	Cytoplasm. Endoplasmic reticulum; Cell projection > ruffle membrane. Cytoplasm > perinuclear region and Cell projection > ruffle membrane. Cytoplasm > perinuclear region. Golgi apparatus. Endoplasmic reticulum.

## 图片



SDS-PAGE analysis of ab125666.



Sample Phosphodiesterase Assay showing the specific activity of ab125666 to be 60 nmol/min/mg.

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

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