

## Product datasheet

# Recombinant human PDE1B protein ab125652

[5 Images](#)

### Description

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<b>Product name</b>	Recombinant human PDE1B protein
<b>Biological activity</b>	The specific activity of ab125652 was determined to be 89 nmol/min/mg.
<b>Purity</b>	> 90 % Densitometry. Purity was determined to be >90% by densitometry. Affinity purified.
<b>Expression system</b>	Baculovirus infected Sf9 cells
<b>Accession</b>	<b><u>Q01064</u></b>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Predicted molecular weight</b>	86 kDa including tags
<b>Amino acids</b>	1 to 536

### Specifications

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Our **Abpromise guarantee** covers the use of **ab125652** in the following tested applications.

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

<b>Applications</b>	Functional Studies SDS-PAGE
<b>Form</b>	Liquid

### Preparation and Storage

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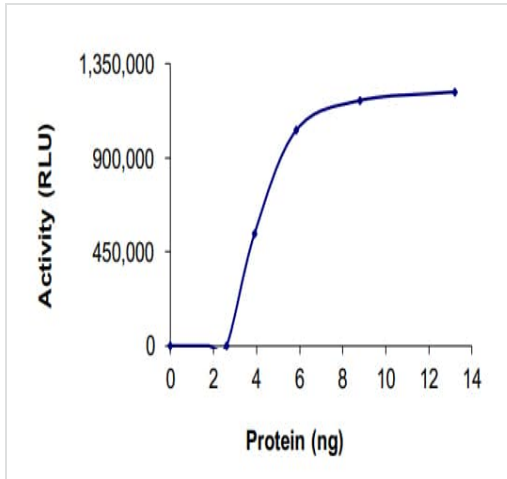
<b>Stability and Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.31% Glutathione, 0.002% PMSF, 0.004% DTT, 0.79% Tris HCl, 0.003% EDTA, 25% Glycerol (glycerin, glycerine), 0.88% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
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### General Info

General info

<b>Function</b>	Cyclic nucleotide phosphodiesterase with a dual-specificity for the second messengers cAMP and cGMP, which are key regulators of many important physiological processes. Has a preference for cGMP as a substrate.
<b>Sequence similarities</b>	Belongs to the cyclic nucleotide phosphodiesterase family. PDE1 subfamily.
<b>Cellular localization</b>	Cytoplasm.

Images



The specific activity of PDE1B (ab125652) was determined to be 100 nmol/min/mg as per activity assay protocol

Functional Studies - Recombinant human PDE1B protein (ab125652)



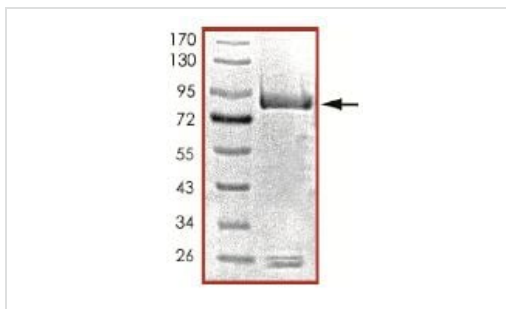
SDS PAGE analysis of ab125652

SDS-PAGE - Recombinant human PDE1B protein (ab125652)



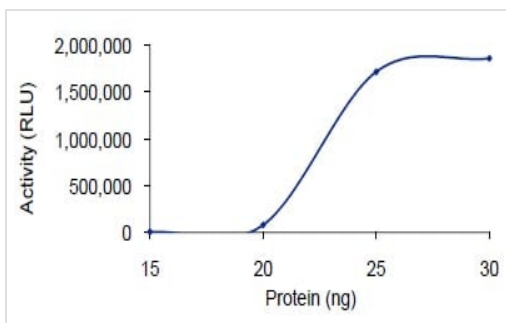
SDS PAGE analysis of ab125652

SDS-PAGE - Recombinant human PDE1B protein (ab125652)



SDS-PAGE analysis of ab125652.

SDS-PAGE - Recombinant human PDE1B protein (ab125652)



The specific activity of ab125652 was determined to be 89 nmol/min/mg by Phosphodiesterase Assay.

Functional Studies - Recombinant human PDE1B protein (ab125652)

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

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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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## **Terms and conditions**

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