

Product datasheet

Recombinant human PDE4D3 protein ab80332

3 Images

Description

Product name	Recombinant human PDE4D3 protein
Biological activity	Specific Activity: 3703 pmole/min/μg.
Expression system	Baculovirus infected Sf9 cells
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human

Specifications

Our [Abpromise guarantee](#) covers the use of **ab80332** in the following tested applications.

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

Applications	Functional Studies
	SDS-PAGE
	Western blot

Form	Liquid
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Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.0462% DTT, 0.395% Tris HCl, 0.05% Tween, 30% Glycerol, 0.58% 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

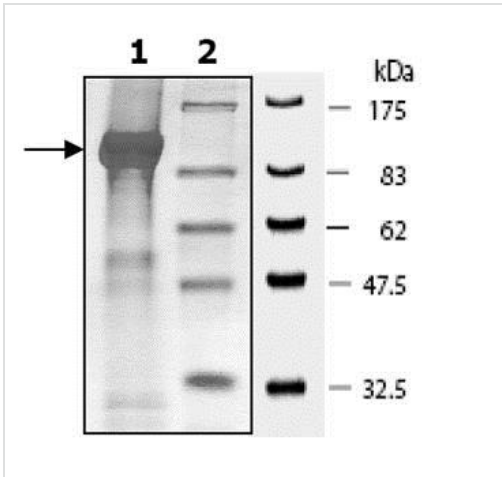
Relevance	Cyclic AMP-dependent phosphodiesterase type D (PDE4D) family is comprised of 5 variants (PDE4D1, D2, D3, D4 and D5). One or more PDE4D subtype-variants are ubiquitously present in all mammalian cells. In CNS all five PDE4D subtype-variants are expressed in varying ratios and
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their activity is regulated in tandem with GPCRs stimulation. Peripheral tissues also exhibit differential expression of PDE4D variants. PDE4D1/D2 mRNA levels rise in response to an increase in cAMP. Short-term regulation of PDE4D variants involved PKA, MAP kinases and Erk2 phosphorylation that results in rapid change in their enzymatic activities. Other regulatory mechanism involved protein-protein interactions with cytoskeletal scaffolding proteins.

Cellular localization

Cell Membrane and Cytoplasmic

Images



10% SDS-PAGE, Coomassie staining.

Lane 1: ab80332, 4 μ g.

Lane 2: Protein marker.

SDS-PAGE - Recombinant human PDE4D3 protein (ab80332)

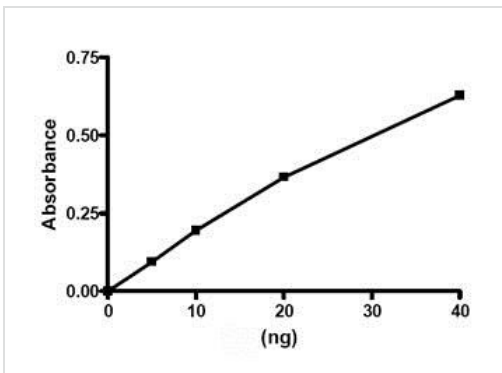
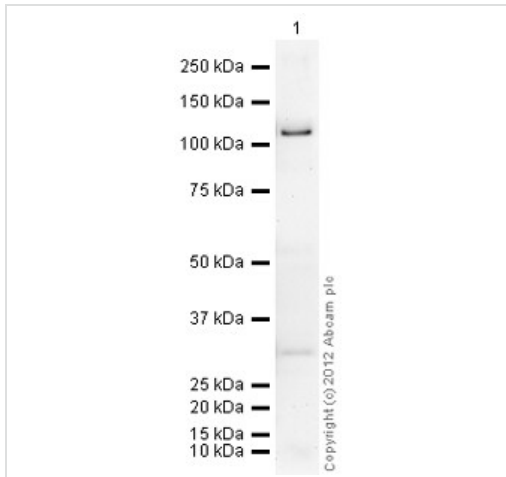


Image showing specific activity of ab80332.

Functional Studies - Recombinant human PDE4D3 protein (ab80332)



Western blot - Recombinant human PDE4D3 protein
(ab80332)

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

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