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## Datasheet for ABIN7550605 **PDE7B Protein (AA 1-450) (His tag)**

### Overview

Quantity:	1 mg
Target:	PDE7B
Protein Characteristics:	AA 1-450
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDE7B protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat PDE7B Protein expressed in mammalian cells.
Sequence:	<p>MSCLMVERCG EILFENPDQN AKCVCMLGDI RLRGQTGVRA ERRGSYPFID FLLNSTTYS GEIGTKKKVK RLLSFQRYFH ASRLLRGIIP QAPLHLLDED YLGQARHMLS KVGMWDFDIF LFDRLTNGNS LVTLLCHLFN THGLIHHFKL DMVTLHRFLV MVQEDYHSQN PYHNAVHAAD VTQAMHCYLK EPKLASFLTP LDIMLGLLAA AAHDVDHPGV NQPFLIKTNH HLANLYQNMS VLENHHWRST IGMLRESRLL AHLPKEMTQD IEQQLGSLIL ATDINRQNEF LTRLKAHLHN KDLRLEDAQD RHFMLQIALK CADICNPCRI WEMSKQWSER VCEEFYRQGE LEQKFELEIS PLCNQQKDSI PSIQIGFMSY IVEPLFREWA HFTGNSTLSE NMLGHLAHNK AQWKSLLPRQ HRSRGSSGSG PDHDHAGQGT ESEEQEGDSP <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>

## Product Details

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### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

## Target Details

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### Target:

PDE7B

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### Alternative Name:

PDE7B ([PDE7B Products](#))

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### Background:

3',5'-cyclic-AMP phosphodiesterase 7B (EC 3.1.4.53) (cAMP-specific phosphodiesterase 7B),FUNCTION: Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes (PubMed:10814504, PubMed:10872825). May be involved in the control of cAMP-mediated neural activity and cAMP metabolism in the brain (PubMed:10814504). {ECO:0000269|PubMed:10814504, ECO:0000269|PubMed:10872825}.

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### Molecular Weight:

51.8 kDa

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### UniProt:

[Q9NP56](#)

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### Pathways:

[cAMP Metabolic Process](#)

## Application Details

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### Application Notes:

In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a

## Application Details

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guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months