

Datasheet for ABIN7561757  
**PDE7B Protein (AA 1-446) (His tag)**



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## Overview

Quantity:	1 mg
Target:	PDE7B
Protein Characteristics:	AA 1-446
Origin:	Mouse
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 mammalien cells.
Sequence:	MSCLMVERCG EVLFESPEQS VKCVCMLGDV RLRGQTGVPA ERRGSYPFID FRLLNNTTHS GEIGTKKKVK RLLSFQRYFH ASRLLRGIIP QAPLHLLDED YLGQARHMLS KVGTDWDFDIF LFDRLTNGNS LVTLLCHLFN SHGLIHFKL DMVTLHRFLV MVQEDYHGHN PYHNAVHAAD VTQAMHCYLK EPKLASFLTP LDIMLGLLAA AAHDVDHPGV NQPFLIKTNH HLANLYQNMS VLENHHWRST IGMLRESRLL AHLPKEMTQD IEQQLGSLIL ATDINRQNEF LTRLKAHLHN KDLRLENVQD RHFMLQIALK CADICNPCRI WEMSKQWSER VCEEFYRQGD LEQKFELEIS PLCNQQKDSI PSIQIGFMTY IVEPLFREWA RFTGNSTLSE NMLSHLAHNK AQWKSLLSNQ HRRRGSGQDL AGPAPETLEQ TEGATP <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>
Characteristics:	Key Benefits:

## Product Details

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- 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
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## Target Details

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Target:	PDE7B
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Alternative Name:	Pde7b ( <a href="#">PDE7B Products</a> )
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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:10872825). May be involved in the control of cAMP-mediated neural activity and cAMP metabolism in the brain (By similarity). {ECO:0000250 UniProtKB:Q9NP56, ECO:0000269 PubMed:10872825}.
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Molecular Weight:	51.3 kDa
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UniProt:	<a href="#">Q9QXQ1</a>
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Pathways:	<a href="#">cAMP Metabolic Process</a>
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## 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 guarantee though.
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## Application Details

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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