

Datasheet for ABIN7554878

## PDE4B Protein (AA 1-736) (His tag)



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### Overview

Quantity:	1 mg
Target:	PDE4B
Protein Characteristics:	AA 1-736
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDE4B protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat PDE4B Protein expressed in mammalian cells.
Sequence:	<p>MKKSRSVMTV MADDNVKD YF EC SL SKSYSS SSNTLGIDLW RGRRC CSGNL QLPPLSQRQS</p> <p>ERARTPEGDG ISRPTTLPLT TLPSIAITTV SQECFDVENG PSPGRSP LDP QASSSAGLVL</p> <p>HATFPGHSQR RESFLYRSDS DYDLSPKAMS RNSSLPSEQH GDDLIVTPFA QVLASLSVR</p> <p>NNFTILTNLH GTSNKRSPAA SQPPVSRVNP QEESYQKLAM ETL ELDWCL DQLETIQTYR</p> <p>SVSEMASNKF KRMLNRELTH LSEMSRSGNQ VSEYISNTFL DKQNDVEIPS PTQKDREKKK</p> <p>KQQLMTQISG VKKLMHSSSL NNTSISRFGV NTENEDHLAK ELEDLNK WGL NIFNVAGYSH</p> <p>NRPLTCIMYA IFQERDLLKT FRISDFTIT YMMTLEDHYH SDVAYHNSLH AADVAQSTHV</p> <p>LLSTPALDAV FTDLEILAAI FAAAHDVDH PGVSNQFLIN TNSALALMYN DESVLENHHL</p> <p>AVGFKLLQEE HCDIFMNLTK KQRQTLRKMV IDMLATDMS KHM SLLADLK TMVETKKVTS</p> <p>SGVLLLDNYT DRIQVLRNMV HCADLSNPTK SLELYRQWTD RIMEEFFQQG DKERERGMEI</p> <p>SPMCDKHTAS VEKSQVG FID YIVHPLWETW ADLVQPD AQD ILDTLEDNRN WYQSMIPQSP</p>

## Product Details

SPPLDEQNRD CQGLMEKFQF ELTLDEEDSE GPEKEGEGHS YFSSTKTLCV IDPENRDSL  
G ETDIDIATED KSPVDT **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.**

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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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

Target:	PDE4B
Alternative Name:	PDE4B ( <a href="#">PDE4B Products</a> )
Background:	3',5'-cyclic-AMP phosphodiesterase 4B (EC 3.1.4.53) (DPDE4) (PDE32) (cAMP-specific phosphodiesterase 4B),FUNCTION: Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes (PubMed:15260978). May be involved in mediating central nervous system effects of therapeutic agents ranging from antidepressants to antiasthmatic and anti-inflammatory agents. {ECO:0000269 PubMed:10846163, ECO:0000269 PubMed:15003452, ECO:0000269 PubMed:15260978}.
Molecular Weight:	83.3 kDa
UniProt:	<a href="#">Q07343</a>

## Target Details

Pathways:	<a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">cAMP Metabolic Process</a> , <a href="#">Myometrial Relaxation and Contraction</a>
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## Application Details

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.
Restrictions:	For Research Use only

## Handling

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