

Datasheet for ABIN7562126
PDE8B Protein (AA 1-865) (His tag)



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Overview

Quantity:	1 mg
Target:	PDE8B
Protein Characteristics:	AA 1-865
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDE8B protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Pde8b Protein expressed in mammalien cells.
Sequence:	MGCAPSIHVS QSGVIYCRDS DESNSPRQTS SVSQGPTAPL HGLFVQTDAA DAMPPSRAAG PPGAVRVRRS RAELGSGSST GSSGPATTTTC RGRRRHCCSS AEAETQTSYT SVKVLLIFAK EDSQSDGFWW ACDRAGYRCN IARTPESALE CFLDKHHEII VIDHRQSRNF DAEAVCRSIR ATNPSEHTVI LAVVSQASDD HEEASVLPLL HAGFNRRFME NSSIACYNE LIQIEHGEVR SQFKLRACNS VFTALDHCHE AIEITSDDHV IQYVNPAPER MMGYHKGELL GKELADLPKS DKNRADLLDT INTCIKKGKE WQGVYYARRK SGDSIQQHVK ITPVIGQGGK IRHFVSLKKL CCTTDSNKQI HRIHRDSDGN SQTEPHSFRH KSRRKESIDV KSISSRGS DA PSLQNR RYPS MARIHSMTIE APITKVINII NAAQENSPVT VAEALDRVLE ILRTTELYSP QLGTKDEDPH TSDLVGGLMT DGLRRLSGNE YVFTKNVHHS HSHLSMPITI NDVPPSIAQL LDNEESWDFN IFELEAVTHK RPLVYLGLKV FSRFGVCEFL NCTETTLLRAW LQVIEANYHS SNAYHNSTHA ADVLHATAFF LGKERVKGSL DQLDEVAALI AATVHDVDHP GRTNSFLCNA GSELAVLYND

Product Details

TAVLESHHTA LAFQLTVKDT KCNIFKNIDR NHYRTLQAI IDMLATEMT KHFEHVNKFV
NSINKPLAAE SEGSDCECNP TGKNFPENQI LIKRMMIKCA DVANPCRPLD LCIEWAGRIS
EEYFAQTDEE KRQGLPVVMP VFDRNTCSIP KSQISFIDYF ITDMFDAWDA FAHLPALMQH
LADNYKHWKT LDDLKCKTLR LPSDS **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:

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.

Purity:

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

Grade:

custom-made

Target Details

Target:

PDE8B

Alternative Name:

Pde8b ([PDE8B Products](#))

Background:

High affinity cAMP-specific and IBMX-insensitive 3',5'-cyclic phosphodiesterase 8B (PDE8B) (EC 3.1.4.53) (Cell proliferation-inducing gene 22 protein),FUNCTION: Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes. May be involved in specific signaling in the thyroid gland (By similarity). {ECO:0000250}.

Molecular Weight:

96.7 kDa

UniProt:

[E9Q4S1](#)

Target Details

Pathways: [Negative Regulation of Hormone Secretion, cAMP Metabolic Process](#)

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