

Datasheet for ABIN7550652
PDE4D Protein (AA 1-809) (His tag)



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Overview

Quantity:	1 mg
Target:	PDE4D
Protein Characteristics:	AA 1-809
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDE4D protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat PDE4D Protein expressed in mammalian cells.
Sequence:	MEAEQSSAPA RAGSGEGSDS AGGATLKAPK HLWRHEQHHQ YPLRQPQFRL LPHHHHLPPP PPPSPQPQPQ CPLQPPPPPP LPPPPPPPGA ARGRYASSGA TGRVRRHGYS DTERLYLCRA MDRTSYAVET GHRPGLKKS R MSWPSSFQGL RRFDVDNGTS AGRSPLDPMT SPGSGLILQA NFVHSQRRES FLYRSDSDYD LSPKMSMRNS SIASDIHGDD LIVTPFAQVL ASLRVTRNNF AALTNLQDRA PSKRSPMCNQ PSINKATITE EAYQKLASET LEELDWCLDQ LETLQTRHSV SEMASNKFKR MLNRELTHLS EMSRSGNQVS EFISNTFLDK QHEVEIPSPT QKEKEKKRKP MSQISGVKKL MHSSSLTNSS IPRFGVKTEQ EDVLAKELED VNKWGLHVFR IAELSGNRPL TVIMHTIFQE RDLLKTFKIP VDTLITYLMT LEDHYHADVA YHNNIHAADV VQSTHVLLST PALEAVFTDL EILAAIFASA IHDVDHPGVN NQFLINTNSE LALMYNDSSV LENHHLAVGF KLLQEENCDI FQNLTKKQRQ SLRKMVIDIV LATDMSKHMN LLADLKT MVE TTKVTSSGVL LLDNYS DRIQ VLQNMVHCAD LSNPTKPLQL YRQWTD RIME EFRQGD RER ERGMEISPMC

Product Details

DKHNASVEKS QVGFIDYIVH PLWETWADLV HPDAQDILDT LEDNREWYQS TIPQSPSPAP
DDPEEGRQGQ TEKFQFELTL EEDGESDTEK DSGSQVEEDT SCSDSKTLCT QDSESTEIPL
DEQVEEEAVG EEEESQPEAC VIDDRSPDT **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:

PDE4D

Alternative Name:

PDE4D ([PDE4D Products](#))

Background:

3',5'-cyclic-AMP phosphodiesterase 4D (EC 3.1.4.53) (DPDE3) (PDE43) (cAMP-specific phosphodiesterase 4D),FUNCTION: Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes. {ECO:0000269|PubMed:15260978, ECO:0000269|PubMed:15576036, ECO:0000269|PubMed:9371713}.

Molecular Weight:

91.1 kDa

UniProt:

[Q08499](#)

Target Details

Pathways: [Cellular Response to Molecule of Bacterial Origin](#), [cAMP Metabolic Process](#), [Myometrial Relaxation and Contraction](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#)

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