Datasheet for ABIN2728507

PDE4A Protein (Transcript Variant 4) (Myc-DYKDDDDK Tag)

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Overview

Quantity:	20 µg
Target:	PDE4A
Protein Characteristics:	Transcript Variant 4
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDE4A protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:	• Recombinant human PDE4A (transcript variant 4) protein expressed in HEK293 cells. • Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

Target Details

Target:	PDE4A
Alternative Name:	Pde4a (PDE4A Products)
Background:	The protein encoded by this gene belongs to the cyclic nucleotide phosphodiesterase (PDE) family, and PDE4 subfamily. This PDE hydrolyzes the second messenger, cAMP, which is a regulator and mediator of a number of cellular responses to extracellular signals. Thus, by regulating the cellular concentration of cAMP, this protein plays a key role in many important

Target Details

	physiological processes. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.[provided by RefSeq, Jul 2011].
Molecular Weight:	72 kDa
NCBI Accession:	NP_006193
Pathways:	cAMP Metabolic Process

Application Details

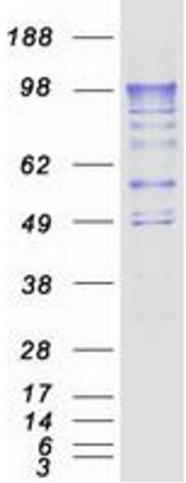
Application Notes:	Recombinant human proteins can be used for: Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

Handling

Concentration:	50 µg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

Publications

Product cited in:	Taniguchi, Iizumi, Watanabe, Masuda, Morita, Aono, Toriyama, Oishi, Goi, Sakai: "Resveratrol directly targets DDX5 resulting in suppression of the mTORC1 pathway in prostate cancer." in: **Cell death & disease**, Vol. 7, pp. e2211, (2016) (PubMed).



Western Blotting

Image 1. Validation with Western Blot

