

Product datasheet for PH307765

PDE4A (NM_006202) Human Mass Spec Standard

Product data:

Product Type: Mass Spec Standards PDE4A MS Standard C13 and N15-labeled recombinant protein (NP_006193) **Description:** Species: Human **HEK293 Expression Host:** RC207765 **Expression cDNA Clone** or AA Sequence: Predicted MW: 72 kDa >RC207765 representing NM_006202 **Protein Sequence:** Red=Cloning site Green=Tags(s) MPLVDFFCETCSKPWLVGWWDQFKRMLNRELTHLSEMSRSGNQVSEYISTTFLDKQNEVEIPSPTMKERE KQQAPRPRPSQPPPPVPHLQPMSQITGLKKLMHSNSLNNSNIPRFGVKTDQEELLAQELENLNKWGLNI FCVSDYAGGRSLTCIMYMIFQERDLLKKFRIPVDTMVTYMLTLEDHYHADVAYHNSLHAADVLQSTHVLL ATPALDAVFTDLEILAALFAAAIHDVDHPGVSNQFLINTNSELALMYNDESVLENHHLAVGFKLLQEDNC DIFONLSKROROSLRKMVIDMVLATDMSKHMTLLADLKTMVETKKVTSSGVLLLDNYSDRIQVLRNMVHC ADLSNPTKPLELYRQWTDRIMAEFFQQGDRERERGMEISPMCDKHTASVEKSQVGFIDYIVHPLWETWAD LVHPDAQEILDTLEDNRDWYYSAIRQSPSPPPEEESRGPGHPPLPDKFQFELTLEEEEEEISMAQIPCT AQEALTAQGLSGVEEALDATIAWEASPAQESLEVMAQEASLEAELEAVYLTQQAQSTGSAPVAPDEFSSR EEFVVAVSHSSPSALALQSPLLPAWRTLSVSEHAPGLPGLPSTAAEVEAQREHQAAKRACSACAGTFGED TSALPAPGGGGSGGDPT TRTRPLEQKLISEEDLAANDILDYKDDDDKV C-Myc/DDK Tag: **Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining **Concentration:** >0.05 µg/µL as determined by microplate BCA method Labeling Method: Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-Lysine **Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3 Storage: Store at -80°C. Avoid repeated freeze-thaw cycles. Stability: Stable for 3 months from receipt of products under proper storage and handling conditions. **RefSeq:** NP 006193 **RefSeq Size:** 4255



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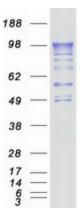
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	PDE4A (NM_006202) Human Mass Spec Standard – PH307765
RefSeq ORF:	1941
Synonyms:	DPDE2; PDE4; PDE46
Locus ID:	5141
UniProt ID:	<u>P27815</u>
Cytogenetics:	19p13.2
Summary:	The protein encoded by this gene belongs to the cyclic nucleotide phosphodiesterase (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 physiological processes. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.[provided by RefSeq, Jul 2011]
Protein Families:	Druggable Genome
Protein Pathway	s: Progesterone-mediated oocyte maturation, Purine metabolism
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Product images:



Coomassie blue staining of purified PDE4A protein (Cat# [TP307765]). The protein was produced from HEK293T cells transfected with PDE4A cDNA clone (Cat# [RC207765]) using MegaTran 2.0 (Cat# [TT210002]).

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