

Product datasheet for PH307765

PDE4A (NM_006202) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PDE4A MS Standard C13 and N15-labeled recombinant protein (NP_006193)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207765
Predicted MW:	72 kDa
Protein Sequence:	>RC207765 representing NM_006202 Red=Cloning site Green=Tags(s)

MPLVDFFCETCSKPWLVGWWDQFKRMLNRELTHLSEMSRSGNQVSEYISTTFLDKQNEVEIPSPTMKERE
KQQAPRRPSQPPPPVPHLQPMSQITGLKMLHNSLNNSNIPRFGVKTDQEELLAQELENLNKWLNI
FCVSDYAGGRSLTCIMYMIFQERDLLKKFRIPVDTMVTYMLTLEDHYHADVAYHNSLHAADVLSQSTHLL
ATPALDAVFTDLEILAALFAAAIHDVDHPGVSNQFLINTNSELALMYNDESVLENHHLAVGFKLLQEDNC
DIFQNLKRQRQSLRKMVIDMVLATDMSKHMTLLADLKTMTVETKVTSSGVLDDNYSDRIQVLRNMVHC
ADLSNPTKPLELYRQWTDRIAEFFQQGDREERERGMESIPMCDKHTASVEKSQVGFIDYIVHPLWETWAD
LVHPDAQEILDLEDRDNYSAIRQSPSPPEEESRGPGLPDKFQFELTEEEEEEEISMAQIPCT
AQEALTAQGLSGVEEALDATIWEASPAQESLEVMAQEASLEAELEAVYL TQQAQSTGSAPVAPDEFSSR
EEFVVAVSHSSPSALALQSPLLPAWRTL SVSEHAPGLPGLPSTAAEVEAQREHQAAKRACACAGTFGED
TSALPAPGGGGGGDPT

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
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:	<u>NP_006193</u>
RefSeq Size:	4255



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RefSeq ORF:	1941
Synonyms:	DPDE2; PDE4; PDE46
Locus ID:	5141
UniProt ID:	P27815
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 Pathways: Progesterone-mediated oocyte maturation, Purine metabolism

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]).