Recombinant Full Length Human PDE4A Protein

Cat. No. PDE4A-366HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human PDE4A, isoform 4 with N terminal proprietary tag. Predicted MW 97.24 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	647 amino acids
Description	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.
Form	Liquid
Molecular Mass	97.240kDa inclusive of tags
AA Sequence	MPLVDFFCETCSKPWLVGWWDQFKRMLNRELTHLSEMSRS GNQVSEYISTTFLDK QNEVEIPSPTMKEREKQQAPRPRPS QPPPPPVPHLQPMSQITGLKKLMHSNSLNN SNIPRFGVKT DQEELLAQELENLNKWGLNIFCVSDYAGGRSLTCIMYMIF QERDLLK KFRIPVDTMVTYMLTLEDHYHADVAYHNSLHAA DVLQSTHVLLATPALDAVFTDLEIL

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	AALFAAAIHDVDHPG VSNQFLINTNSELALMYNDESVLENHHLAVGFKLLQEDNC DI FQNLSKRQRQSLRKMVIDMVLATDMSKHMTLLADLKTM VETKKVTSSGVLLLDNYS DRIQVLRNMVHCADLSNPTKPL ELYRQWTDRIMAEFFQQGDRERERGMEISPMCD KHTASVE KSQVGFIDYIVHPLWETWADLVHPDAQEILDTLEDNRDWY YSAIRQSPS PPPEEESRGPGHPPLPDKFQFELTLEEEEEE EISMAQIPCTAQEALTAQGLSGVEEA LDATIAWEASPAQE SLEVMAQEASLEAELEAVYLTQQAQSTGSAPVAPDEFSSR EE FVVAVSHSSPSALALQSPLLPAWRTLSVSEHAPGLPGL PSTAAEVEAQREHQAAKR ACSACAGTFGEDTSALPAPGGG GSGGDPT
Purity	Proprietary Purification
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

GENE INFORMATION

Gene Name	PDE4A phosphodiesterase 4A, cAMP-specific [Homo sapiens]
Official Symbol	PDE4A
Synonyms	PDE4A; phosphodiesterase 4A, cAMP-specific; DPDE2, phosphodiesterase 4A, cAMP specific (dunce (Drosophila) homolog phosphodiesterase E2); cAMP-specific 3,5-cyclic phosphodiesterase 4A; phosphodiesterase E2 dunce homolog (Drosophila)
Gene ID	5141
mRNA Refseq	NM_001111307
Protein Refseq	NP_001104777
MIM	600126

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UniProt ID	P27815

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