

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 QPPPPVPHLQPMSTITGLKKLMHSNSLNN SNIPRFGVKT DQEELLAQELENLNKWGLNIFCVSDYAGGRSLTCIMYMIF QERDLLK KFRIPVDVTMYTMLTLEDHYHADVAYHNSLHAA DVLQSTHVLLATPALDAVFTDLEIL

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AALFAAAIHVDVDPG VSNQFLINTNSELALMYNDESVLENHHLAVGFKLLQEDNC DI
 FQNLSKRQRQSLRKMVIDMVLATDMSKHTLLADLKT VETKKVTSSGVLLLDNYS
 DRIQVLRNMVHCADLSNPTKPL ELYRQWTDRIAEFFQQGDRERERGMEISPMCD
 KHTASVE KSQVGFIDYIVHPLWETWADLVHPDAQEILDTLEDNRDWY YSAIRQSPS
 PPPEEESRGP GHPPLPDKFQFELTLEEEEEEE EISMAQIPCTAQEALTAQGLSGVEEA
 LDATIAWEASPAQE SLEVMAQEASLEAELEAVYLTQQAQSTGSAPVAPDEFSSR EE
 FVVAVSHSSPSALALQSPLLPAWRTLSVSEHAPGLPGL PSTAAEVEAQREHQAAGR
 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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